

Environmental and Operational Midyear Data Report for the OU 7-08 Organic Contamination in the Vadose Zone Project – 2005

L. Todd Housley

September 2005

**Idaho
Cleanup
Project**

The Idaho Cleanup Project is operated for the
U.S. Department of Energy by CH2M • WG Idaho, LLC

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Idaho Falls, Idaho 83415**

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ABSTRACT

Since January 1996, Operable Unit 7-08 has been using soil vapor extraction to remove organic contamination from the vadose zone outside the disposal pits and trenches in and around the Subsurface Disposal Area within the Radioactive Waste Management Complex at the Idaho National Laboratory. The vadose zone contains volatile organic compounds, primarily in the form of organic vapors that have migrated from buried waste in the pits and trenches.

This report documents the operational and monitoring data for Operable Unit 7-08 recorded between January 1 and June 30, 2005. During that time, approximately 4,500 kg (9,900 lb) of total volatile organic compounds were removed from the vadose zone and oxidized through catalytic processes. Vapor vacuum extraction with treatment Units D, E, and F removed approximately 1,600 kg (3,500 lb), 1,200 kg (2,500 lb), and 1,800 kg (3,900 lb), respectively.

Carbon tetrachloride is the largest contributor to the volatile organic compound mass removal, representing over half of the total volatile organic compounds for this operating cycle. Isoconcentration plots of current carbon tetrachloride vapor data, at approximately 21 m (70 ft) deep, indicate an overall decrease in the areal extent of the plume when compared to data taken before operations at the same depth.

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ACRONYMS

ARP	Accelerated Retrieval Project
B&K	Brüel and Kjær
CCl ₄	carbon tetrachloride
DQO	data quality objective
FTIR	Fourier transform infrared (spectrometer)
INL	Idaho National Laboratory
OCVZ	organic contamination in the vadose zone
OU	operable unit
RPD	relative percent difference
RWMC	Radioactive Waste Management Complex
SDA	Subsurface Disposal Area
VOC	volatile organic compound
VVET	vapor vacuum extraction with treatment

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1. INTRODUCTION

1.1 Purpose

This report documents operational activities of Operable Unit (OU) 7-08 through the midyear reporting period for Calendar Year 2005 (i.e., January 1 through June 30, 2005). Operable Unit 7-08 is defined as the Organic Contamination in the Vadose Zone (OCVZ) Project at the Subsurface Disposal Area (SDA) within the Radioactive Waste Management Complex (RWMC) at the Idaho National Laboratory (INL) Site.

Operable Unit 7-08 extends from the land surface to the top of the Snake River Plain Aquifer, approximately 177 m (580 ft) beneath the RWMC. Disposal pits and trenches within the SDA are not part of OU 7-08. The vadose zone contains volatile organic compounds (VOCs) primarily in the form of organic vapors that have migrated from waste buried in the SDA. Figure 1 is a map of the INL that shows the location of the RWMC. Figure 2 is a map of the RWMC, including the SDA.

Operable Unit 7-08 is the designation recognized under the *Federal Facility Agreement and Consent Order for the Idaho National Engineering Laboratory* (DOE-ID 1991) and the “Comprehensive Environmental Response, Compensation and Liability Act of 1980” (42 USC § 9601 et seq., 1980) for OCVZ remediation beneath the RWMC. In accordance with the *Record of Decision: Declaration for Organic Contamination in the Vadose Zone Operable Unit 7-08, Idaho National Engineering Laboratory, Radioactive Waste Management Complex, Subsurface Disposal Area* (DOE-ID 1994), the selected remedy for OCVZ consists of (1) extraction and destruction of organic contaminant vapors present in the vadose zone, and (2) monitoring of organic contamination in the Snake River Plain Aquifer beneath and near the RWMC.

1.2 Background

To implement the selected remedy described in the *OU 7-08 Record of Decision* (DOE-ID 1994), three vapor vacuum extraction with treatment (VVET) units with recuperative flameless thermal-oxidation systems were installed within the boundaries of the SDA and began operating in January 1996. Two of the flameless thermal-oxidation-system units (designated as Units A and B) extracted and treated vapors from two extraction wells, and one flameless thermal-oxidation-system unit (designated as Unit C) extracted and treated vapors from one extraction well. Over a 3-year period (i.e., 2001 through 2004), electrically heated catalytic oxidizers, designated as Units D, E, and F, replaced the original treatment systems.

Unit D is connected to four extraction wells: 7V, SE6, IE6, and DE6. Unit E is connected to four extraction wells: DE7, IE7, SE7, and 8901D. Unit F is connected to 10 extraction wells: 2E, 7E, DE3, IE3, SE3, IE4, DE4, DE8, IE8, and SE8. Extraction is rotated between wells to maximize removal and treatment efficiency.

1.3 Report Organization

Section 2 discusses VVET operations, which includes a discussion of spatial and temporal distribution of carbon tetrachloride in the vadose zone over the period from 1996 through June 2005, system optimization and maintenance, and operational uptime. Section 3 discusses the efforts of the project to validate the Brüel and Kjær (B&K) analyzer to provide reliable, accurate results. It also reports on the project's efforts to ensure completeness and comparability of sampling. Section 4 provides names, depths, and locations of monitoring wells at the INL Site. Sections 5 and 6 are the conclusions and references. Appendix A presents the results of sampling and analysis precision tests, Appendix B presents analytical accuracy, Appendix C presents mass removal sample data, Appendix D presents graphics showing the reduction in VOCs at the SDA from 1996 through June 2005, Appendix E shows the cumulative operating schedule for VVET operations from January 1996 through June 2005, and Appendix F presents the well-port monitoring data and carbon tetrachloride concentration graphs from January through June 2005.

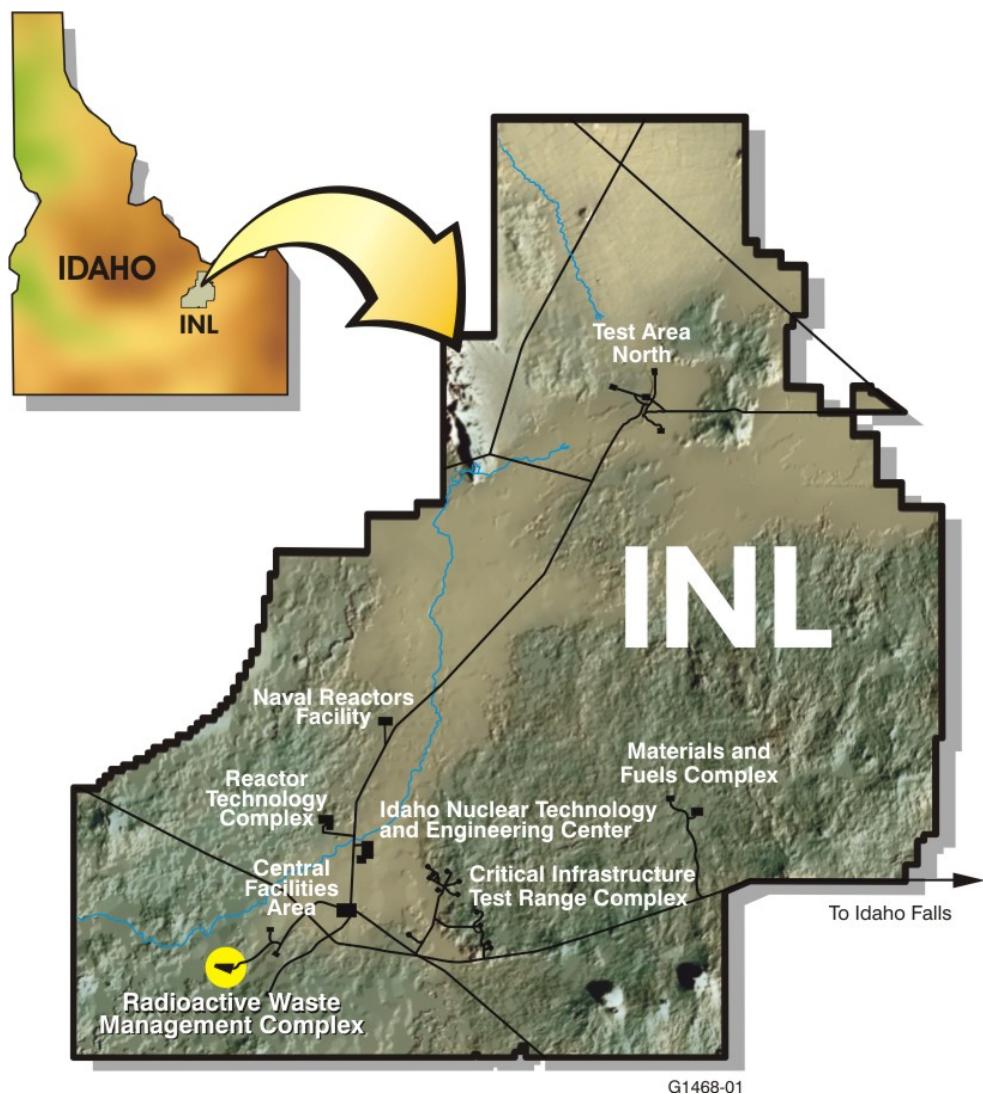


Figure 1. Map of the Idaho National Laboratory, showing the location of the Radioactive Waste Management Complex and other major facilities.

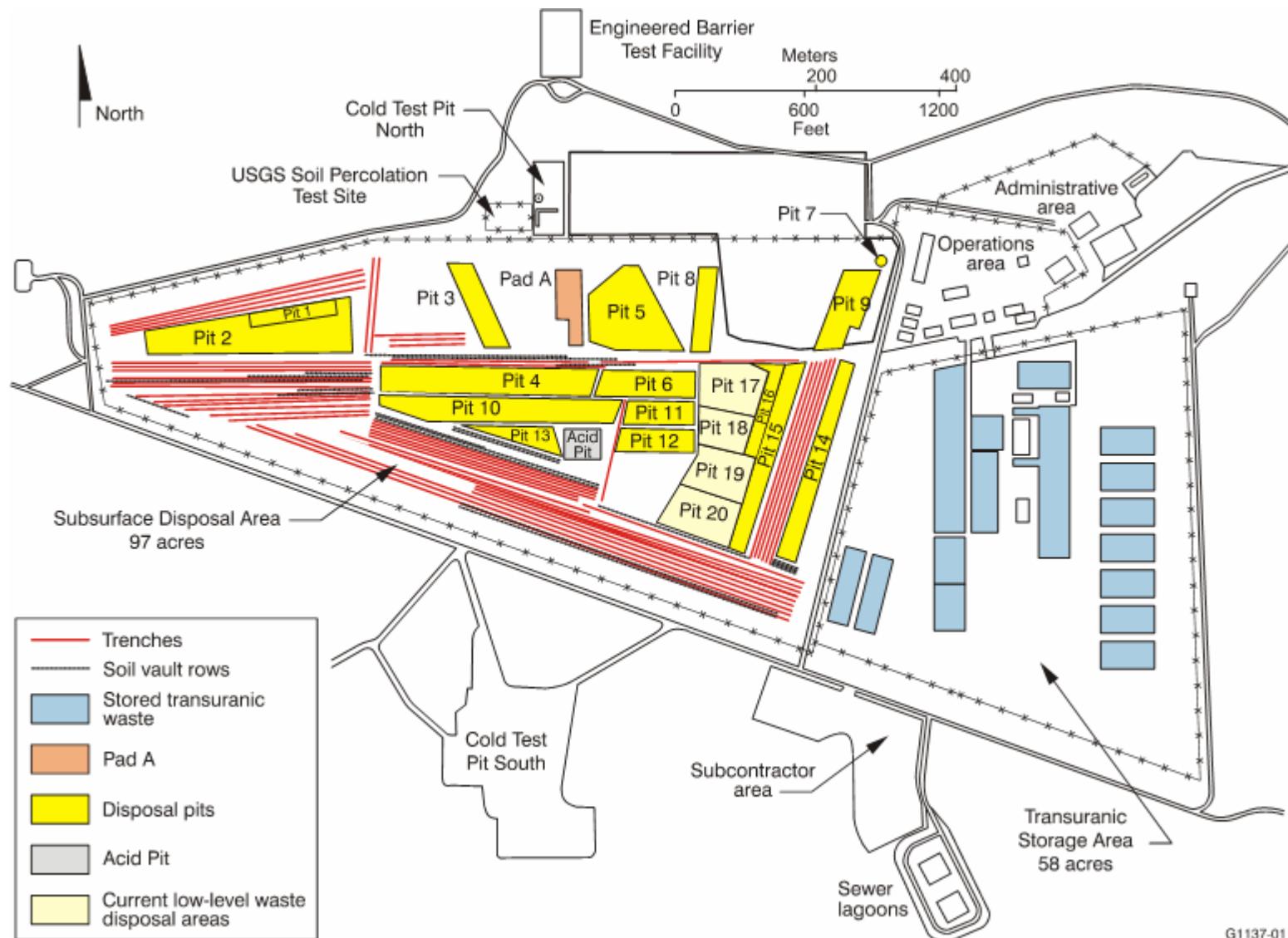


Figure 2. Map of the Radioactive Waste Management Complex, showing the location of the Subsurface Disposal Area.

2. VAPOR VACUUM EXTRACTION WITH TREATMENT OPERATIONS

2.1 Spatial and Temporal Distribution of Carbon Tetrachloride in the Vadose Zone

The spatial and temporal distribution of carbon tetrachloride (CCl_4) concentration in the subsurface is graphically presented in Appendix D, Spatial and Temporal Distribution of Volatile Organic Compounds in the Vadose Zone. The figures in Appendix D represent a horizontal cross-section of the distribution of the CCl_4 concentration in the SDA at approximately 21 m (70 ft) below ground surface. Concentration values from six different sampling events, ranging from just before starting remedial action in January 1996 through June 2005, were used. The CCl_4 concentration distribution was kriged^a using an Environmental Visualization System software program.

Trends in concentration data generally decreased in CCl_4 concentration until 2003. Starting in the summer of 2003, concentrations over the source area began to rise. Increased levels of CCl_4 over this period are likely the result of a rebound response when Units A and B were shut down in September and February 2003, respectively. The vapor data indicate a decrease in the CCl_4 concentrations in wells within the influence of Units E and F soon after they were started in April and March 2004, respectively. Concentrations have dropped significantly since the distinctive rebound that followed the shutdown of Units A and B and the subsequent startup and employment of Units E and F.

For most wells within the influence of the VVET units, concentrations have returned to more normal levels since the rebound period and have resumed the trend of decreasing in concentration. Wells that are influenced by the VVET units, but did not show any discernable rebound when the units were shut down, continue to indicate trends of decreasing concentrations. In recent months, extraction wells most strongly influenced by the VVET units have shown a significant decreasing trend in concentration.

Units A, B and C, which were recuperative flameless thermal-oxidation systems, were much less efficient operationally due to mechanical and system failures. With the deployment of the new catalytic oxidation systems, Units D, E, and F, operational uptimes have dramatically increased. Previously during periods of breakdowns, the subsurface vapors were given the occasion to rebound when subsurface low-pressure conditions created by the operation of the units were allowed to return to natural pressure conditions. Because the catalytic oxidation systems are much more reliable and are seldom shut down, the subsurface has fewer opportunities to rebound. The resultant concentrations measured at the unit inlets and influenced monitoring wells are significantly decreased. Project personnel are developing a plan to initiate a cyclic well extraction routine to allow for rebounding effects to occur that would increase mass removal efficiency rates.

2.2 System Optimization and Maintenance

This section documents corrective and preventive maintenance completed on the VVET units from January through June 2005. Preventive maintenance activities were completed in accordance with the OCVZ VVET preventive maintenance schedule (McMurtry and Harvego 2004). Unit D has been operating since March 4, 2002. Unit F was brought into operational status on March 15, 2004, and Unit E on April 6, 2004.

a. Kriging is a method of linear regression that takes into account the spatial relationship of a series of points. In this case, concentrations are estimated between actual measured data points, providing insight into what the actual concentration profile might look like at any horizontal level in the contamination zone.

2.2.1 Corrective Maintenance

Corrective maintenance activities are required in response to an event where systems fail or break down. Work is performed in accordance with the INL “Integrated Work Control Process” (STD-101). Details of the corrective maintenance activity performed during the reporting period is described below:

February 16 through 28, 2005 – The main heater circuit breaker at Unit F tripped, causing a shutdown. After efforts to reset the breaker and checking all other connections, the circuit breaker was replaced.

2.2.2 Preventive Maintenance

A preventive maintenance schedule has been developed to ensure appropriate measures are taken to maximize the life of the system components. The preventive maintenance schedule identifies maintenance activities to be completed at monthly, quarterly, semiannual, and annual intervals (McMurtrey and Harvego 2004). Project personnel work with planners and maintenance to plan and execute maintenance activities. Development and implementation of preventive maintenance work packages conform to STD-101.

During the 2005 midyear reporting cycle, the following scheduled preventive maintenance tasks were performed on Units D, E, and F.

- Unit D:
 - Monthly—January, February, March, April, May, June
 - Quarterly—March, June
 - Semiannual—June
 - Annual - June
- Unit E:
 - Monthly—January, February, March, April, May, June
 - Quarterly—March, June
 - Semiannual—June
 - Annual - June
- Unit F:
 - Monthly—January, February, March, April, May, June
 - Quarterly—March, June
 - Semiannual—June
 - Annual – June.

2.2.3 Configuration Management

The configuration management process provides quick access to a database of information about individual components and pieces of equipment, including the manufacturer model and serial numbers, contact address and phone numbers, and other pertinent information. The database also provides a

numbering system to identify the equipment and components in the field when performing preventive maintenance or other work activities.

2.2.4 Instrument Performance Checks

Instrument performance checks are completed at regular intervals to maximize the quality of operations data and the confidence with which this data can be applied to make judgments relative to process performance. A performance check on the primary flow element in each system is completed on an annual basis using a calibrated hotwire anemometer for in situ flow verification (McMurtrey and Harvego 2004). Performance checks on other process indicators, including wellhead flowmeters, temperature elements, and pressure transmitters, are completed as needed if readings appear questionable.

2.2.5 Radiological Filter Sampling and Analysis at the Inlet to Vapor Vacuum Extraction with Treatment Units

Weekly radiological surveys were completed on inlet filters downstream of the blowers at each of the VVET units. Results indicate that radiological contamination is not present on the filters.

2.2.6 Fourier Transform Infrared Spectrometer

The Fourier transform infrared (FTIR) spectrometer is capable of measuring the inlet and exhaust gas compositions from the VVET oxidizers. This activity provides a metric by which the performance of the catalytic oxidizer in destruction of volatile organic contaminants can be measured. Volatile organic compound destruction will generate contaminant emission totals that may be included in the National Emission Standard for Hazardous Air Pollutants (40 CFR 61) or other regulatory compliance reporting. Empirical data generated through this activity will also be used to calculate input data to the VVET emissions air dispersion model.

The extractive FTIR instrument is capable of analyzing the contaminants of interest. The FTIR instrument is automated so that it will run continuously and unattended, performing routine references and standards, and cycling between inlet and exhaust samples. The exhaust sample system is provided with a scrubber to protect the instrument from HCl and HF generated by the process.

A sampling and analysis campaign has been performed at each unit. The destruction efficiency performance of each unit is exceeding remediation goals. Detailed results of the FTIR sampling and analysis will be issued in a separate report entitled, "Performance Monitoring of the Vapor Vacuum Extraction with Treatment Process for the OU 7-08 Organic Contamination in the Vadose Zone Project" (EDF-6082)."

2.2.7 Relocation of Unit E

The Targeted Waste Removal and Disposition Project, formerly known as the Accelerated Retrieval Project (ARP), is being conducted for the U.S. Department of Energy Idaho Operations Office as nontime-critical removal actions under the Comprehensive Environmental Response, Compensation and Liability Act (42 USC § 9601 et seq., 1980). The focus of the nontime-critical removal actions is limited excavation and retrieval of certain targeted waste streams buried within designated areas of Pit 4 and Pit 6. The VVET Unit E and the associated extraction wells and piping were located within the foundation boundary of the ARP Phase II Retrieval Enclosure. On March 1, 2005, Unit E was shut down. Project personnel relocated the 300-kVA transformer power supply to Unit E, the piping and associated instrumentation, and controls needed to connect Unit E to the existing extraction wells. The piping from extraction Wells SE7, IE7, DE7, and 8901D was routed subsurface under the ARP Phase II Retrieval

Enclosure foundation along with vapor port sampling lines from IE7, DE7, and 9301. Figure 3 shows the location of the ARP Phase I Retrieval Enclosure, VVET Units, and extraction well lines after relocation of Unit E.

2.3 Operational Uptime

During the midyear 2005 operations period, a goal of 80% uptime of available hours was set for operation of the VVET units. Available hours for operation are defined as calendar hours minus the planned and uncontrollable downtimes (see Section 2.3.1). Tracking and documenting the operational uptime will allow the project to assess the reliability of the VVET units and determine what, if any, corrective actions can be taken to reach their optimal performance.

There were 4,344 calendar hours during the midyear 2005 operations period. Appendix E, Operations History of Vacuum Vapor Extraction with Treatment Units at the Subsurface Disposal Area, presents the operations history of the VVET units and the midyear 2005 reporting period history for Units D, E, and F. Figure 4 contains the cumulative operational history for all units since operations began in January 1996. Unit D operated for 3,994 hours (92% of calendar hours, 96% of available hours) between January 1 and June 30, 2005. Unit E operated for 3,117 hours (72% of calendar hours, 100% of available hours) between January 1 and June 30, 2005. Unit F operated for 3,867 hours (89% of calendar hours, 93% of available hours) between January 1 and June 30, 2005.

2.3.1 Planned and Uncontrollable Downtime

Planned downtimes included scheduled maintenance activities (i.e., corrective and preventive) and system optimizations. The vast majority of downtimes occurring during the midyear 2005 operations period at Units D and E were classified as planned downtimes. An uncontrollable downtime is defined as a circumstance clearly outside the control of the project that causes the operation of the units to be disrupted. A typical cause of this type of downtime is an unexpected power outage due to weather-related conditions. Uncontrollable downtime does not include situations of equipment or component failure. Unit D had just over 171 hours of planned or uncontrollable downtime during the reporting period. Unit E had 1,227 hours and Unit F had 188 hours of planned or uncontrollable downtime during the midyear 2005 reporting period.

Dates and brief explanations of activities that resulted in planned and uncontrollable downtime operational shutdowns are itemized below:

- January 23 through 24, 2005 – An unexpected power outage on a Sunday afternoon caused each unit to shut down. Units were restarted the next day.
- January 25 through 26, 2005 - The 70-kW heater on Unit F was replaced as a planned maintenance.
- February 16, 2005 – Unit F was shut down to upgrade the programmable logic control software to the latest version.
- March 1 through April 14, 2005 – Unit E was shut down to allow for its relocation and accommodation of ARP.
- March 22, 2005 – Units D and F were shut down for an hour each for quarterly preventive maintenance.
- April 26, 2005 – Units E and F were shut down temporarily to reconfigure remote communications lines to the Units.

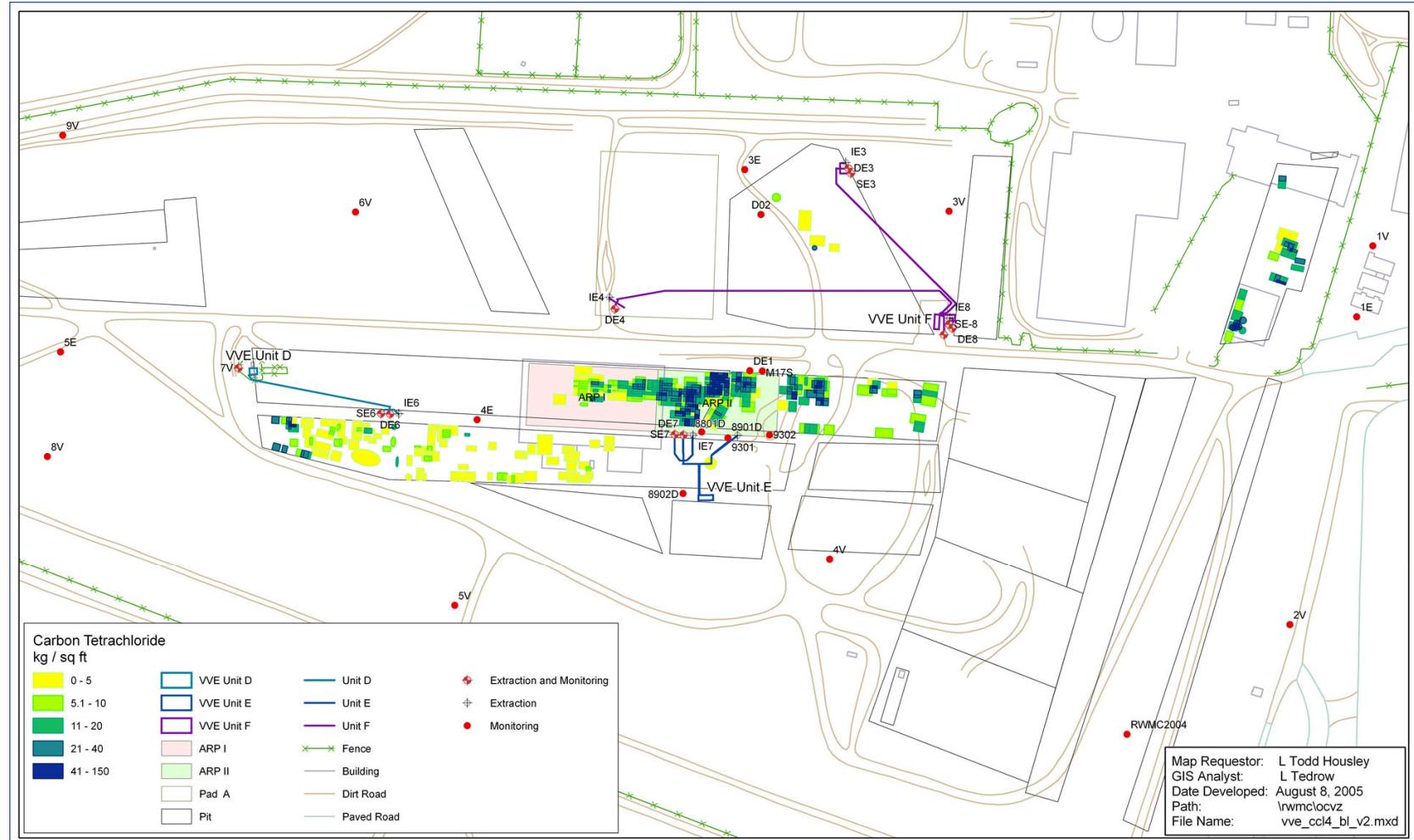


Figure 3. Location of the ARP Phase I Retrieval Enclosure, Phase II foundation, VVET Units, and extraction well lines after relocation of Unit E.

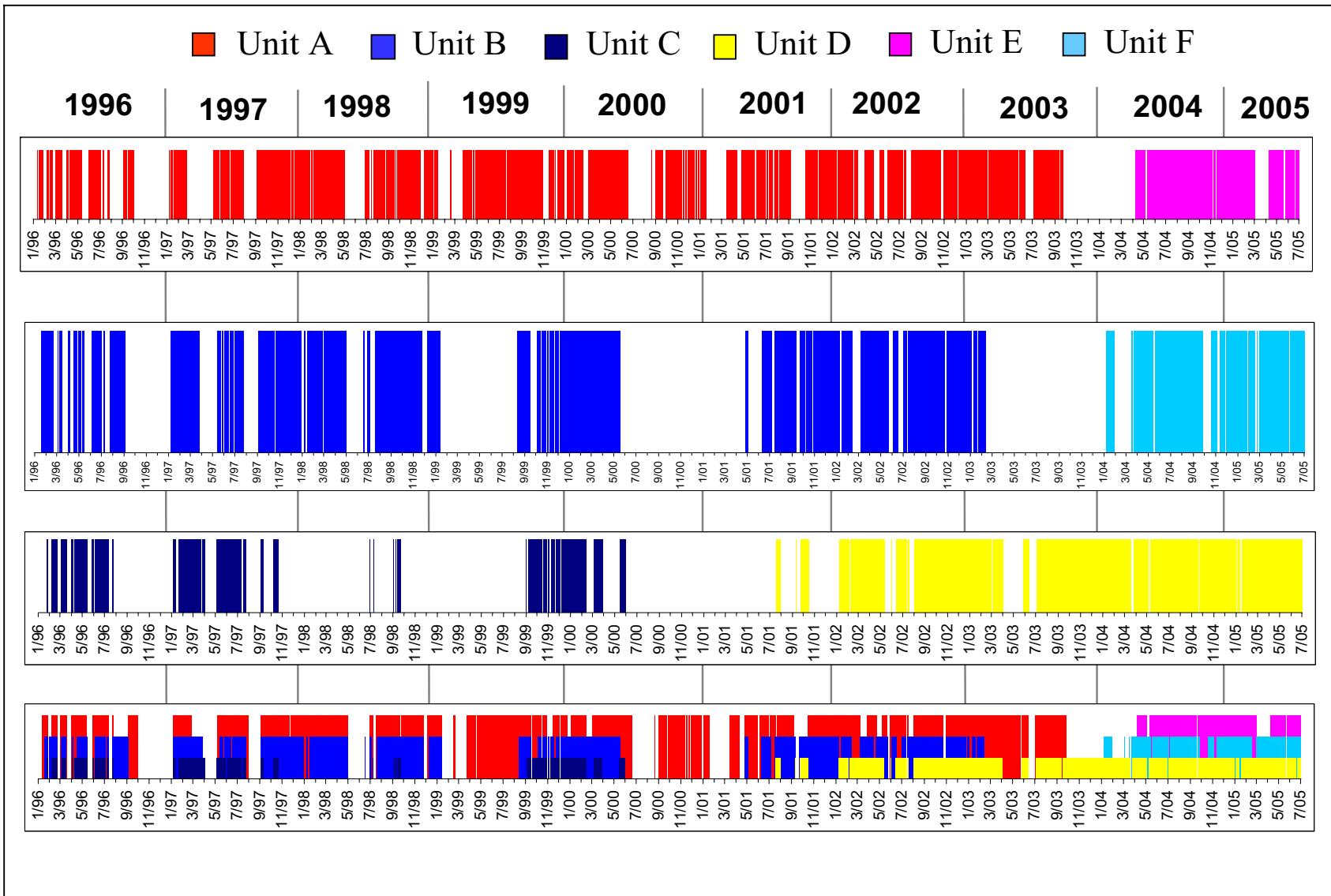


Figure 4. Vapor vacuum extraction with treatment units operational history.

- May 9, 2005 – All three units were shut down for about an hour as a result of a sitewide power outage.
- May 19 through 23, 2005 – All three units were shut down in support of a planned power outage at the RWMC.
- June 9, 2005 – Unit E was shut down for 7 hours to complete monthly and semiannual preventive maintenance.
- June 13, 2005 – Unit D was shutdown for 8 hours to complete monthly and semiannual preventive maintenance.
- June 14, 2005 - Unit E was shut down temporarily to complete annual preventive maintenance.
- June 16, 2005 – Unit F was shut down for 8 hours to complete annual preventive maintenance.
- June 18 through 20, 2005 – All three units shut down on Saturday when a commercial power outage occurred. The units were restarted on Monday.
- June 20, 2005 – Unit D was shut down for 5 hours to complete annual preventive maintenance.

2.3.2 Unplanned Downtime

Unplanned downtime is defined as time required to correct unexpected situations of equipment or component failures. Unit D had just under 178 hours of unplanned downtime during the reporting period. Unit E had no unplanned downtime and Unit F had 288 hours of unplanned downtime during the midyear 2005 reporting period. Dates and brief explanations of activities that resulted in unplanned shutdowns are itemized below:

- January 1 through 3, 2005 – Unit D operation was interrupted because of an erroneous signal from the vapor liquid separator, high-level switch.
- January 12 through 17, 2005 – The programmable logic controller at Unit D faulted, causing the system to shut down. The programmable logic controller was reset and the unit was restarted.
- February 16 through 28, 2005 – The main heater circuit breaker at Unit F tripped, causing the system to shut down. After efforts to reset the breaker and checking all other connections, the circuit breaker was replaced.

3. ENVIRONMENTAL AND OPERATIONAL SAMPLE DATA

To monitor effectiveness of the VVET system, vapor samples are collected from monitoring wells and at the inlet of VVET units, then analyzed using a B&K photoacoustic multigas analyzer. This section discusses the following data quality and monitoring objectives for the project:

- Precision
- Accuracy
- Completeness
- Comparability
- Mass removal
- Spatial and temporal distribution of CCl₄ in the vadose zone
- System optimization and maintenance.

3.1 Precision

Precision is the ability of a measurement to be consistently reproduced. Precision pertains to the quality and reliability of the field data obtained by the project. Two types of sample replicates were analyzed to ensure the quality of collected data—field repeats and field duplicates. A field repeat is a repeat analysis of a field-collected sample used to test the precision of the analytical instrument. A field duplicate is a separate sample collected from the same location at the same time as the original sample. This duplicate sample is used to test the precision of the field collection techniques. Duplicate imprecision may also be an indication of failure to properly operate analytical equipment or adhere to analyzer procedural requirements. A measurement of precision was determined by calculating the relative percent difference (RPD) for both the field duplicates and the field repeats. A goal was set to achieve precision of less than 30% RPD for all replicate samples (ICP 2005). The RPD is calculated as shown in Equation (1) where C₁ and C₂ are the respective analyte concentrations in a replicate sample pair.

$$RPD = 100 \times \frac{\left(|C_1 - C_2| \right)}{\left(\frac{C_1 + C_2}{2} \right)}. \quad (1)$$

Samples were analyzed, as in previous operating cycles, using a B&K gas analyzer. Sample precision of duplicate or repeat samples of chloroform, 1,1,1-trichloroethane, tetrachloroethene, trichloroethene, CCl₄, and total VOCs was recorded (see Appendix A, Sampling and Analysis Precision). A total of 120 sample replicates (duplicate and repeats) was collected during the operating cycle, resulting in a total of 600 possible component pairs. Of the 600 sample component pairs, 560 exhibited RPDs of less than 30%. Of the 40 sample component pairs that exceeded 30% RPD, 10 were the result of measured analyte concentrations below the 1-ppmv B&K detection limit. Measurement precision decreases as sample concentrations approach the 1-ppmv B&K detection limit, resulting in the observed increase in RPD. Over 97% of all repeat component comparisons resulted in an RPD of less than 30%. Duplicate component comparisons resulted in 87% with an RPD of less than 30%. While these results provide strong confidence in the analytical instrument's precision, they also reveal the need for some improvement in the precision of field collection techniques and adherence to procedure requirements.

3.2 Accuracy

Accuracy relates to the extent to which instrument readings represent true values and are free from error. Instrument accuracy was tested using various sample standards before analyzing each sample set during the midyear 2005 operating period. Standards (i.e., premixed gas samples at verified concentrations) were purchased at concentrations of 1, 5, 100, 500, and 1,000 ppmv. Actual constituent concentrations of each of the standard gasses, as provided by the manufacturer, are detailed in Table 1 along with the average of the B&K standard gas results.

These standard gasses were analyzed before each set of vapor samples was analyzed to quantify and validate instrument performance. A goal was set for the accuracy of standard samples to be acceptable at a $\pm 20\%$ error bound limit (ICP 2005). Accuracy results during the end-year 2004 reporting period began to diminish significantly, particularly in the last quarter of 2004. Project personnel made every effort to rectify the problem, including sending the analyzer back to the manufacturer for recalibration and modifying analytical parameters, but results continued to fall outside of previous accuracy ranges. It was determined that the cause of this increase in error was likely the result of the project being required to relocate to a new analytical laboratory space in early August 2004. Temperature fluctuation has been a persistent problem in the new lab. Variable temperatures are a known source of increased error in accuracy. To assist the current laboratory's antiquated heating system, installation of a thermostatically controlled heating system helped to reduce temperature fluctuation in the lab. Despite these efforts, no dramatic improvements in accuracy have resulted from attempts at temperature regulation.

Table 1. Standard gas compositions and Brüel and Kjær results.

	Chloroform (ppmv)	1,1,1- Trichloroethane (ppmv)	Tetrachloroethene (ppmv)	Trichloroethene (ppmv)	Carbon Tetrachloride (ppmv)
Supplier's results for 1-ppmv standard	1.0008	1.0041	0.9998	0.9996	1.0005
B&K's average results for 1 ppmv	2.27	1.72	.9	1.34	.77
Supplier's results for 5-ppmv standard	5	4.9	5	4.9	4.9
B&K's average results for 5 ppmv	6.76	6.13	2.96	4.43	4.17
Supplier's results for 100-ppmv standard	98.55	100.25	99.81	100.06	100.23
B&K's average results for 100 ppmv	101	96	58	79	82
Supplier's results for 500-ppmv standard	500.1	501.1	498.1	499.4	498.8
B&K's average results for 500 ppmv	465	457	274	375	368
Supplier's results for 1,000-ppmv standard	0	0	0	0	1,006.29
B&K's average results for 1,000 ppmv	0	0	0	0	729

In an additional effort to improve accuracy, the project arranged for a representative from the manufacturer of the analyzer to perform an onsite calibration of the instrument. For 4 days the representative worked on the calibration of the instruments in the project's on-site laboratory using 99.9% pure liquid reagent standards. Only minor adjustments were made to bring the instruments into a more precise accuracy range against the reagents. Upon completion of the calibration, the project's standard gas mixtures were analyzed on the instruments. The accuracy performance against the standard gas mixtures was still significantly low and had changed very little from before the calibration was performed.

With these results, a verification of the standard gas mixtures using a gas chromatograph at another laboratory was ordered. Results indicated that the project's labeled standard gas concentrations are accurate. Project personnel concluded that the cross-interference between the five different constituent gases is, and always has had, a dramatic effect on the B&K's analytical results. Interference between gases may be the explanation for the majority of poor accuracy performance. At this point, project personnel are working with the manufacturer of the instrument investigating further means to configure the instrument to better adjust and compensate for this interference and improve the accuracy of the results.

Record of the accuracy of the B&K gas analyzer during the midyear 2005 reporting period for all five constituents is illustrated in Appendix B, Analytical Accuracy.

Analytical results for CCl₄ at each of the five standard gases are listed below:

- 1-ppmv CCl₄ standard sample were measured with reported concentrations from 0.26 to 1.11 ppmv. Analytical results for 21 of the 35 (60%) 1-ppmv CCl₄ standard samples were within the prescribed acceptable $\pm 20\%$ error bound limit.
- Analytical results for the 5-ppmv CCl₄ standard samples ranged from 3.1 to 5.96 ppmv. Analytical results for 25 of the 34 (74%) 5-ppmv CCl₄ standard samples were within the prescribed acceptable $\pm 20\%$ error bound limit.
- Analytical results for the 100-ppmv CCl₄ standard samples ranged from 60 to 117 ppmv. Analytical results for 26 of the 38 (68%) 100-ppmv CCl₄ standard samples were within the prescribed acceptable $\pm 20\%$ error bound limit.
- Analytical results for the 500-ppmv CCl₄ standard samples ranged from 269 to 460 ppmv. Analytical results for 9 of the 34 (27%) 500-ppmv CCl₄ standard samples were within the prescribed acceptable $\pm 20\%$ error bound limit.
- The 1,000-ppmv CCl₄ standard samples had results that ranged from 505 to 905 ppmv. Analytical results for 8 of the 30 (27%) 1,000-ppmv CCl₄ standard samples were within the prescribed acceptable $\pm 20\%$ error bound limit.

Analytical results have fallen within the acceptable $\pm 20\%$ error bound limit of known CCl₄ concentrations for 89 of 171 (52%) of all standard samples. Most samples that fell outside of the bound limit fell short of the actual concentration, usually slipping no more than 35% below the standard gas concentration. While this represents a significant reduction in accuracy from recent reporting periods, the project is continuing to examine ways to improve the results.

3.3 Completeness

A total of 1,022 samples were targeted during the midyear 2005 period of operation. This total included 888 total well samples (822 cumulative monthly and 66 cumulative quarterly), 89 sample repeats, and 45 sample duplicates. Ultimately, 993 (97% of target) samples were analyzed and recorded. This included 864 well samples (97%), 86 well repeats (97%), and 43 well duplicates (96%). Repeats and duplicates were targeted for analysis rates of at least 1:10 and 1:20, respectively, in accordance with the *Data Quality Objectives Summary Report for Operable Unit 7-08 Post-Record of Decision Sampling* (ICP 2005) (hereafter referred to as OCVZ Data Quality Objective [DQO] Report). Factors affecting sampling completeness include inaccessibility to well locations and sample-bag failure. For example, during the midyear 2005 period of operation, several wells were inaccessible because of the construction activities of ARP over Pit 4. As a result, most of the samples that were not collected were because of inaccessibility. Two monitoring wells, 8801 and 9302, each with three vapor ports that are sampled routinely, were located within the ARP footprint and were capped during April. These wells will be removed from the sampling list as they will not be sampled during the ARP activities, but will resume when the area is accessible once again. Other missed samples were the result of ports that are regularly poor yielding ports. These three ports include 7V-2, M3S-3, and USGS118-2. Downhole obstruction is likely the cause in M3S-3 and USGS118-2. At Port 7V-2, which is located close to Unit D and at 45 m (147 ft) deep, the negative pressure downhole created by Unit D makes retrieving a sample with the project's sampling pump impossible while the unit is running. The majority of the remaining missed samples were the result of sample bag failure or ports that sporadically did not yield a sample.

Completeness of sampling is detailed in Table 2 for monthly well monitoring and duplicate and repeat samples. The OCVZ DQO Report designates a target for completeness of 90% during noncritical VVET operations. As stated above, the project met this goal with a completion of 97% of targeted samples being collected.

Table 2. Completeness of well sampling.

Type	Total Samples Targeted	Total Samples Analyzed	Percent Complete
Monthly monitoring samples	888	864	97%
Monthly duplicates	45	43	96%
Monthly repeats	89	86	97%
Total samples	1,022	993	97%

3.4 Comparability

The dataset included in this report (i.e., January 1, 2005 through June 30, 2005) is comparable to previous datasets because project personnel used the same field collection technique, field procedures, sample-handling methods, and quality assurance and quality control procedures. Analytical detection limits are similar because the same analytical instrumentation was used (i.e., B&K gas analyzer).

On a monthly basis, samples were collected from 141 vapor ports (135 after the capping of Wells 8801 and 9302 in April 2005) within and in the immediate vicinity of the SDA boundary to monitor concentration trends in the VOC plume. On a quarterly basis, 33 additional ports outside the SDA boundary were sampled to monitor the vapor concentrations at various locations ranging from just outside the fence up to 3,200 m (10,500 ft) from the VOC source area. Vapor port sampling and analyses were completed in accordance with the OCVZ DQO Report (ICP 2005).

The analytical results for four monthly vapor port sampling events (i.e., January, February, April, and May 2005) and two quarterly sampling events (i.e., March and June 2005) are included in Appendix F, Well-Port Monitoring Data and Carbon Tetrachloride Concentration Graphs from January through June 2005.

3.5 Mass Removal

The VOC concentrations of process samples taken from ports on the inlet lines (downstream of the ambient air intake valves) to the VVET units were used to calculate mass-removal rates. Samples were taken daily during the normal operations workweek (i.e., Monday through Thursday), and the results were averaged between sampling events. Results show that approximately 4,500 kg (9,900 lb) of total volatile organic compounds were removed from the vadose zone and oxidized through catalytic processes. Vapor vacuum extraction with treatment Units D, E, and F removed approximately 1,600 kg (3,500 lb), 1,200 kg (2,500 lb), and 1,800 kg (3,900 lb), respectively. Actual operating hours and average unit operation parameters (i.e., flow rate, pressure, and temperature) were used for the mass-removal calculations (EDF-2157).

Analyte mass-removal estimates for January through June 2005 for Units D, E, and F are presented respectively in Tables C-1, C-2, and C-3 of Appendix C, Mass Removal Sample Data. Process sample (i.e., inlet) CCl_4 concentrations for Units D, E, and F are shown graphically in Figures C-1, C-2, and C-3 (see Appendix C), respectively. For comparison, Figures C-4 and C-5 (see Appendix C) graphically present proportional mass removal estimates for each analyte during this reporting cycle and since January 1996, respectively. Analyte mass removal estimates for each operating cycle since January 1996 are provided in Table C-4 (see Appendix C). As shown in Figures C-4 and C-5, CCl_4 is the largest contributor to the mass removal of VOCs with 48% of the total occurring from January through June 2005, and 60% of the total occurring since January 1996.

4. WELL MONITORING

The *Volatile Organic Compound Vapor Monitoring Results from Selected Wells at the Radioactive Waste Management Complex* (Housley 2003) contains all data collected from the monitoring wells from 1993 through 2002. Starting in 2003, these data are included within the environmental and operational semiannual data reports in graphical form through the current date and contain numerical data from the previous 6 months of monitoring. Table 3 shows the project and official names of the 59 wells presented in this report. Figure 5 shows the depths of the ports of each well. Figure 6 shows the location of each monitoring well in and around the RWMC.

Appendix F presents CCl₄ concentrations in graphical form of subsurface vapor samples collected since the beginning of operations and data tables presenting concentrations of all VOCs from January through June 2005. The samples were collected from well ports located inside and close to the SDA.

Table 3. Organic contamination in the vadose zone wells listed by official name and project name.

Inside the Subsurface Disposal Area		Outside the Subsurface Disposal Area	
Official Name	Project Name	Official Name	Project Name
RWMC-VVE-V-067	1E	VVE1	VVE1
RWMC-VVE-V-068	2E	VVE3	VVE3
RWMC-VVE-V-069	3E	VVE4	VVE4
RWMC-VVE-V-070	4E	VVE6A	VVE6
RWMC-VVE-V-071	5E	VVE7	VVE7
RWMC-GAS-V-072	1V	VVE10	VVE10
RWMC-GAS-V-073	2V	M1SA	M1S
RWMC-GAS-V-074	3V	M3S	M3S
RWMC-GAS-V-075	4V	M4D	M4D
RWMC-GAS-V-076	5V	M6S	M6S
RWMC-GAS-V-077	6V	M7S	M7S
RWMC-GAS-V-078	7V	M10S	M10S
RWMC-GAS-V-079	8V	SOUTH-1835	M10S-R
RWMC-GAS-V-080	9V	SOUTH-MON-A-001	M11S
RWMC-GAS-V-081	10V	SOUTH-MON-A-003	M13S
88-01D	8801	SOUTH-MON-A-004	M14S
89-02D	8902	SOUTH-MON-A-009	M15S
9301	9301	SOUTH-MON-A-010	M16S
9302	9302	SOUTH-1898	1898
RWMC-VVE-V-163	DE1	SOUTH-GAS-V-005	OCVZ11
IE3	IE3	SOUTH-GAS-V-007	OCVZ13
DE3	DE3	SOUTH-GAS-V-008	OCVZ14

Table 3. (continued).

Inside the Subsurface Disposal Area		Outside the Subsurface Disposal Area	
Official Name	Project Name	Official Name	Project Name
IE4	IE4	USGS 118	USGS118
DE4	DE4	WWW1	WWW1
IE6	IE6	77-1	77-1
DE6	DE6	78-4	78-4
IE7	IE7	RWMC 2004	RWMC 2004
DE7	DE7		
IE8	IE8		
DE8	DE8		
D02	D02		
RWMCMON-A-162	M17S		
RWMC 2004	RWMC 2004		

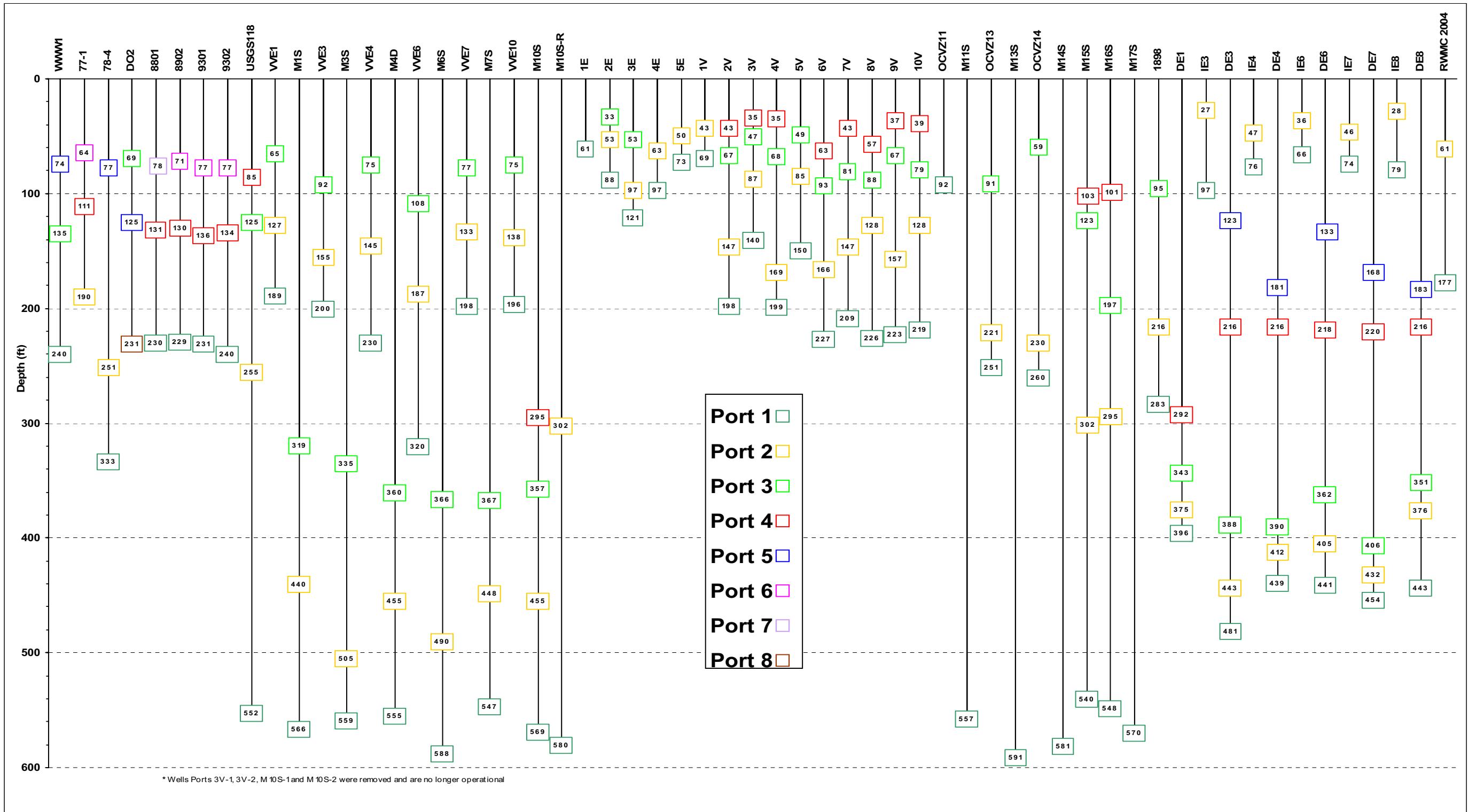


Figure 5. Port depths of the Operable Unit 7-08 monitoring wells.

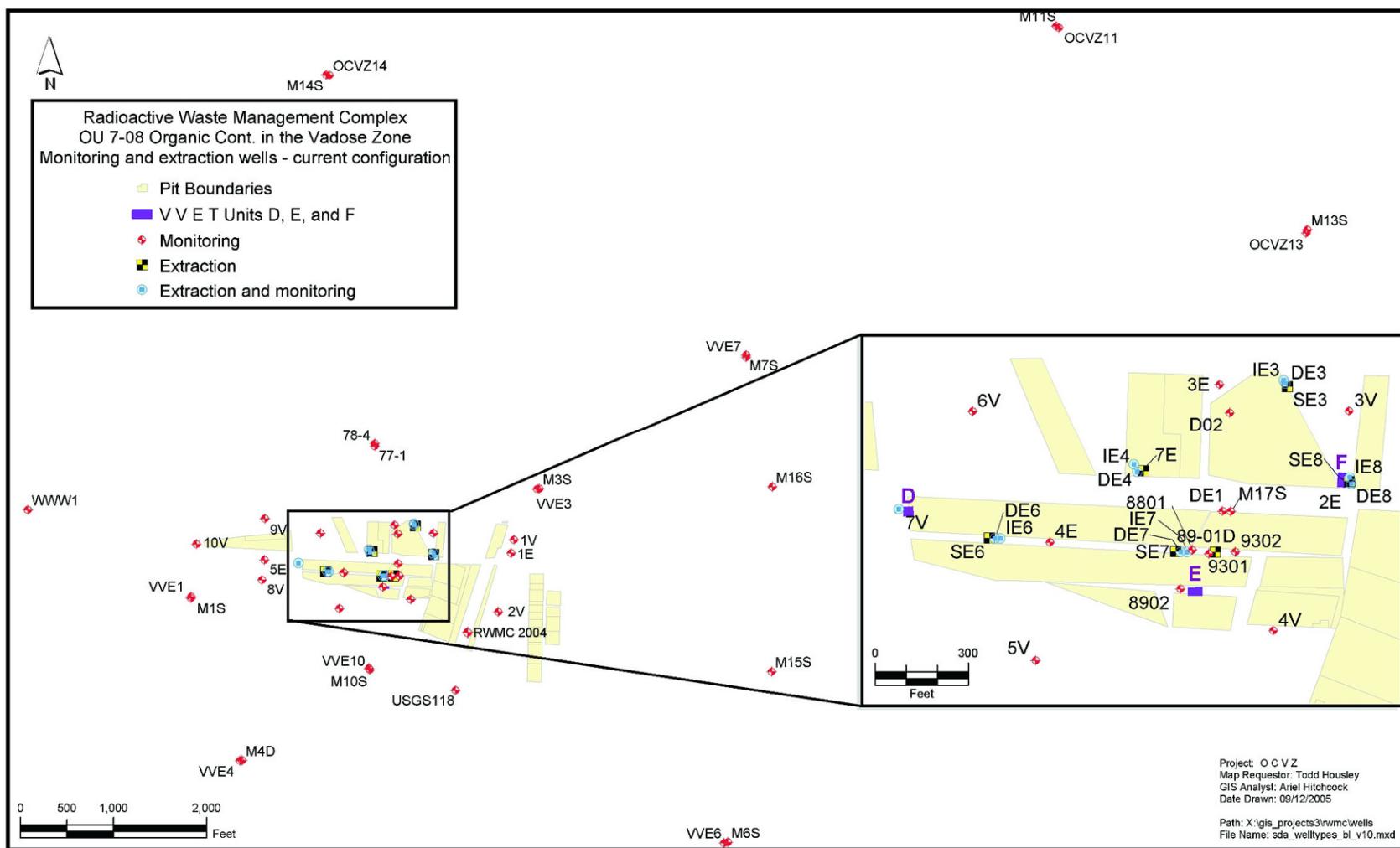


Figure 6. Operable Unit 7-08 vapor monitoring and extraction wells inside and outside the Subsurface Disposal Area.

5. CONCLUSION

Data quality and monitoring objectives include completeness, precision, and accuracy as outlined in the OCVZ DQO Report (ICP 2005). The target for completeness was 90%. A goal of $\pm 30\%$ was set for precision, and a goal for accuracy was set at $\pm 20\%$. The project exceeded the target for completeness and collected 97% of intended samples. Of the 600 component pairs analyzed for precision during the reporting period, 93% were within the prescribed goal. Of the 171 samples analyzed for accuracy, 52% were within the prescribed goal.

Units D, E, and F are operating and removing VOC mass from the RWMC subsurface. General trends show a decreasing areal extent of the plume of VOCs. The prevailing long-term trends indicate that overall VOC concentrations are decreasing above the 34-m (110-ft) interbed when compared to data taken before operations at the same depth.

6. REFERENCES

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Appendix A

Sampling and Analysis Precision

Appendix A

Sampling and Analysis Precision

Vapor samples were collected from monitoring wells and at the inlet of the vapor vacuum extraction with treatment (VVET) units and analyzed using a Brüel and Kjær (B&K) photoacoustic multigas analyzer. Tables A-1 and A-2 show the precision of repeat and duplicate samples of chloroform, 1,1,1-trichloroethane, tetrachloroethene, trichloroethene, and carbon tetrachloride (CCl_4) for the midyear 2005 operational period. Numbers in red indicate they are over the 30% precision goal.

Table A-1. Sample repeats during the midyear 2005 operational period.

	Analysis Date	Type	CHCl_3	TCA	PCE	TCE	CCl_4
1	1/11/05 12:56	Normal	13.2	8.44	20.7	15.6	43.1
	1/11/05 12:59	Repeat	11.2	7.27	17.6	13.6	32.6
		<i>RPD</i>	16.4%	14.9%	16.2%	13.7%	27.7%
2	1/11/05 14:11	Normal	45.8	15	11.7	16.9	42.2
	1/11/05 14:14	Repeat	46.2	15.1	11.9	17	41.3
		<i>RPD</i>	0.9%	0.7%	1.7%	0.6%	2.2%
3	1/11/05 14:56	Normal	7.07	2.2	0.739	3.32	8.39
	1/11/05 14:59	Repeat	7.09	2.22	0.931	3.2	8.43
		<i>RPD</i>	0.3%	0.9%	23.0%	3.7%	0.5%
4	1/11/05 15:50	Normal	6.15	1.97	0.544	2.85	6.45
	1/11/05 15:53	Repeat	6.03	2.03	0.506	2.85	6.42
		<i>RPD</i>	2.0%	3.0%	7.2%	0.0%	0.5%
5	1/11/05 16:32	Normal	4.74	2.09	0.891	2.59	3.85
	1/11/05 16:35	Repeat	4.32	1.95	0.706	2.32	2.65
		<i>RPD</i>	9.3%	6.9%	23.2%	11.0%	36.9%
6	1/12/05 12:26	Normal	16.3	7.24	7.22	7.26	7.55
	1/12/05 12:29	Repeat	16.3	7.28	7.13	7.32	7.32
		<i>RPD</i>	0.0%	0.6%	1.3%	0.8%	3.1%
7	1/12/05 13:47	Normal	4.28	1.84	0.851	1.27	1.94
	1/12/05 13:50	Repeat	4.04	1.84	0.745	1.19	2.01
		<i>RPD</i>	5.8%	0.0%	13.3%	6.5%	3.5%
8	2/9/05 16:02	Normal	2.18	1.02	0.417	1.01	0.875
	2/9/05 16:05	Repeat	2.03	1.1	0.422	0.973	0.921
		<i>RPD</i>	7.1%	7.5%	1.2%	3.7%	5.1%
9	2/9/05 16:38	Normal	2.5	1.1	0.516	1.12	3.55
	2/9/05 16:41	Repeat	2.39	1.07	0.544	1.14	3.68

Table A-1. (continued).

	Analysis Date	Type	CHCl ₃	TCA	PCE	TCE	CCl ₄
		RPD	4.5%	2.8%	5.3%	1.8%	3.6%
10	2/10/05 11:41	Normal	3.19	2.55	7.22	3.98	7.06
	2/10/05 11:44	Repeat	3.16	2.58	7.48	3.86	7.08
		RPD	0.9%	1.2%	3.5%	3.1%	0.3%
11	2/10/05 12:20	Normal	3.72	1.94	2.88	2.5	9.7
	2/10/05 12:23	Repeat	5.01	1.92	2.57	2.78	8.51
		RPD	29.6%	1.0%	11.4%	10.6%	13.1%
12	2/10/05 12:59	Normal	2.75	1.05	1.13	1.82	3.9
	2/10/05 13:02	Repeat	2.4	1.11	1.15	1.44	2.91
		RPD	13.6%	5.6%	1.8%	23.3%	29.1%
13	2/10/05 13:17	Normal	4.93	2.53	1.14	3.43	11.9
	2/10/05 13:20	Repeat	4.8	2.64	1.17	3.48	11.8
		RPD	2.7%	4.3%	2.6%	1.4%	0.8%
14	2/10/05 13:53	Normal	4.86	1.81	0.782	4.52	10.9
	2/10/05 13:56	Repeat	4.8	1.84	0.904	4.32	10.3
		RPD	1.2%	1.6%	14.5%	4.5%	5.7%
15	2/10/05 15:32	Normal	4.24	1.48	0.749	2.35	6.47
	2/10/05 15:35	Repeat	3.98	1.39	0.595	2.3	5.95
		RPD	6.3%	6.3%	22.9%	2.2%	8.4%
16	2/10/05 16:08	Normal	15.7	6.5	3.7	6.94	6.73
	2/10/05 16:10	Repeat	15.9	6.49	3.77	6.8	6.65
		RPD	1.3%	0.2%	1.9%	2.0%	1.2%
17	2/10/05 16:37	Normal	4.35	1.38	0.748	1.66	4.36
	2/10/05 16:40	Repeat	4.08	1.4	0.679	1.61	4.16
		RPD	6.4%	1.4%	9.7%	3.1%	4.7%
18	2/10/05 17:25	Normal	4.59	1.86	1	3.68	9.83
	2/10/05 17:28	Repeat	4.41	1.86	1.05	3.57	9.69
		RPD	4.0%	0.0%	4.9%	3.0%	1.4%
19	2/10/05 17:43	Normal	4.1	1.97	0.968	2.9	6.5
	2/10/05 17:46	Repeat	3.97	2.05	1.01	2.77	6.26
		RPD	3.2%	4.0%	4.2%	4.6%	3.8%
20	3/8/05 9:30	Normal	6.04	5.33	11.9	8.4	13.7
	3/8/05 9:33	Repeat	5.86	5.15	11.2	7.78	12.9
		RPD	3.0%	3.4%	6.1%	7.7%	6.0%

Table A-1. (continued).

	Analysis Date	Type	CHCl ₃	TCA	PCE	TCE	CCl ₄
21	3/8/05 9:54	Normal	3.46	2.77	5.08	3.03	6
	3/8/05 9:57	Repeat	3.36	2.79	5.08	3.15	6.06
		<i>RPD</i>	2.9%	0.7%	0.0%	3.9%	1.0%
22	3/8/05 10:27	Normal	2.2	1.54	2.09	1.36	2.78
	3/8/05 10:30	Repeat	2.3	1.51	2.23	1.29	2.82
		<i>RPD</i>	4.4%	2.0%	6.5%	5.3%	1.4%
23	3/8/05 10:57	Normal	11.3	2.08	1.17	1.1	0.793
	3/8/05 11:00	Repeat	11.2	2.15	1.32	1.1	0.77
		<i>RPD</i>	0.9%	3.3%	12.0%	0.0%	2.9%
24	3/8/05 11:30	Normal	1.98	0.735	0.554	0.9	1.07
	3/8/05 11:33	Repeat	1.97	0.749	0.651	0.928	1.07
		<i>RPD</i>	0.5%	1.9%	16.1%	3.1%	0.0%
25	3/8/05 12:18	Normal	2	0.778	0.409	0.849	0.287
	3/8/05 12:21	Repeat	2.17	0.855	0.409	0.632	0.393
		<i>RPD</i>	8.2%	9.4%	0.0%	29.3%	31.2%
26	3/8/05 13:00	Normal	2.67	0.806	0.458	0.867	1.94
	3/8/05 13:03	Repeat	2.68	0.872	0.401	0.889	1.96
		<i>RPD</i>	0.4%	7.9%	13.3%	2.5%	1.0%
27	3/8/05 13:30	Normal	2.29	0.85	0.423	0.911	1.78
	3/8/05 13:33	Repeat	2.43	0.955	0.372	0.856	1.83
		<i>RPD</i>	5.9%	11.6%	12.8%	6.2%	2.8%
28	3/9/05 10:38	Normal	4.38	3.47	9.46	6.57	9.2
	3/9/05 10:41	Repeat	3.33	2.35	6.56	4.53	6.32
		<i>RPD</i>	27.2%	38.5%	36.2%	36.8%	37.1%
29	3/9/05 11:14	Normal	5.62	1.94	3.29	7.73	17.6
	3/9/05 11:17	Repeat	5.87	1.93	3.26	7.69	17.3
		<i>RPD</i>	4.4%	0.5%	0.9%	0.5%	1.7%
30	3/9/05 11:41	Normal	5.7	1.97	2.2	5.9	14.8
	3/9/05 11:44	Repeat	5.59	1.95	2.05	5.72	14.3
		<i>RPD</i>	1.9%	1.0%	7.1%	3.1%	3.4%
31	3/9/05 12:29	Normal	8.27	3.8	2.45	5.19	6.62
	3/9/05 12:32	Repeat	8.33	3.78	2.45	5.16	6.73
		<i>RPD</i>	0.7%	0.5%	0.0%	0.6%	1.6%

Table A-1. (continued).

	Analysis Date	Type	CHCl ₃	TCA	PCE	TCE	CCl ₄
32	3/9/05 13:02	Normal	3.36	1.29	1.14	3.15	7.31
	3/9/05 13:05	Repeat	3.12	1.29	1.07	3.11	7.28
		<i>RPD</i>	7.4%	0.0%	6.3%	1.3%	0.4%
33	3/9/05 13:41	Normal	7.07	2.12	0.916	4.95	18.4
	3/9/05 13:44	Repeat	6.93	2.11	0.821	4.97	18.1
		<i>RPD</i>	2.0%	0.5%	10.9%	0.4%	1.6%
34	3/9/05 14:26	Normal	3.26	1.02	0.953	2.25	4.14
	3/9/05 14:29	Repeat	3.31	1	0.929	2.04	3.69
		<i>RPD</i>	1.5%	2.0%	2.6%	9.8%	11.5%
35	3/9/05 14:44	Normal	10	2.27	1.33	5.38	19.7
	3/9/05 14:47	Repeat	9.67	2.17	1.44	5.09	19.1
		<i>RPD</i>	3.4%	4.5%	7.9%	5.5%	3.1%
36	3/9/05 15:05	Normal	5.26	1.71	0.748	4.08	13.5
	3/9/05 15:08	Repeat	5.09	1.66	0.761	3.92	12.9
		<i>RPD</i>	3.3%	3.0%	1.7%	4.0%	4.5%
37	3/10/05 9:16	Normal	4.98	1.72	3.28	3.88	9.75
	3/10/05 9:19	Repeat	4.87	1.76	3.26	3.86	9.67
		<i>RPD</i>	2.2%	2.3%	0.6%	0.5%	0.8%
38	3/10/05 9:46	Normal	2.49	1.12	2.03	2.73	4.96
	3/10/05 9:49	Repeat	2.61	1.1	2.07	2.56	4.8
		<i>RPD</i>	4.7%	1.8%	2.0%	6.4%	3.3%
39	3/10/05 9:58	Normal	26.8	4.24	1.71	21.7	92.8
	3/10/05 10:01	Repeat	25.7	3.99	1.55	21.7	88.6
		<i>RPD</i>	4.2%	6.1%	9.8%	0.0%	4.6%
40	4/5/05 9:41	Normal	5.02	3.95	5.87	5.3	14.9
	4/5/05 9:44	Repeat	4.47	3.8	5.56	4.81	14
		<i>RPD</i>	11.6%	3.9%	5.4%	9.7%	6.2%
41	4/5/05 10:08	Normal	5.62	2.71	2.92	6.38	15.6
	4/5/05 10:11	Repeat	5.39	2.73	2.92	6	14.9
		<i>RPD</i>	4.2%	0.7%	0.0%	6.1%	4.6%
42	4/5/05 11:26	Normal	72.1	33.1	12	28.6	186
	4/5/05 11:29	Repeat	74	34.3	12.5	30.7	197
		<i>RPD</i>	2.6%	3.6%	4.1%	7.1%	5.7%

Table A-1. (continued).

	Analysis Date	Type	CHCl ₃	TCA	PCE	TCE	CCl ₄
43	4/5/05 11:50	Normal	13.8	5.87	2.12	9.12	39.6
	4/5/05 11:53	Repeat	13.8	6.09	2.09	9.41	41
		<i>RPD</i>	0.0%	3.7%	1.4%	3.1%	3.5%
44	4/5/05 12:11	Normal	8.75	2.15	1.13	5.8	14
	4/5/05 12:14	Repeat	8.62	2.18	1.12	5.86	13.6
		<i>RPD</i>	1.5%	1.4%	0.9%	1.0%	2.9%
45	4/6/05 10:24	Normal	2.95	1.95	4.85	2.78	5.27
	4/6/05 10:27	Repeat	2.84	1.96	4.92	2.65	5.33
		<i>RPD</i>	3.8%	0.5%	1.4%	4.8%	1.1%
46	4/6/05 11:21	Normal	2.69	1.13	1.22	1.56	3.12
	4/6/05 11:24	Repeat	2.82	1.24	1.25	1.59	3.19
		<i>RPD</i>	4.7%	9.3%	2.4%	1.9%	2.2%
47	4/6/05 11:45	Normal	6.67	3.16	2.16	2.98	17.2
	4/6/05 11:48	Repeat	6.56	3.15	2.36	3.03	17.5
		<i>RPD</i>	1.7%	0.3%	8.8%	1.7%	1.7%
48	4/6/05 12:24	Normal	2.58	1	0.84	1.22	2.53
	4/6/05 12:27	Repeat	2.58	1.08	0.738	1.29	2.53
		<i>RPD</i>	0.0%	7.7%	12.9%	5.6%	0.0%
49	4/6/05 13:06	Normal	3.03	0.986	0.591	1.43	2.69
	4/6/05 13:09	Repeat	3.02	1.07	0.591	1.41	2.75
		<i>RPD</i>	0.3%	8.2%	0.0%	1.4%	2.2%
50	4/7/05 13:54	Normal	3.4	2.27	5.37	3.02	6.93
	4/7/05 13:57	Repeat	3.18	2.31	5.43	3	7.01
		<i>RPD</i>	6.7%	1.7%	1.1%	0.7%	1.1%
51	4/7/05 14:33	Normal	2.87	1.54	1.9	1.7	3.8
	4/7/05 14:36	Repeat	2.93	1.67	1.8	1.62	3.76
		<i>RPD</i>	2.1%	8.1%	5.4%	4.8%	1.1%
52	5/10/05 13:48	Normal	5.03	2.66	90.1	8.11	7.92
	5/10/05 13:51	Repeat	4.86	2.77	90.5	7.91	8.09
		<i>RPD</i>	3.4%	4.1%	0.4%	2.5%	2.1%
53	5/11/05 9:25	Normal	6.27	5.41	13.4	9.48	11.2
	5/11/05 9:28	Repeat	5.65	4.93	11.9	8.26	10.2
		<i>RPD</i>	10.4%	9.3%	11.9%	13.8%	9.3%

Table A-1. (continued).

	Analysis Date	Type	CHCl ₃	TCA	PCE	TCE	CCl ₄
54	5/11/05 9:58	Normal	3.06	1.82	3.8	2.4	4.98
	5/11/05 10:01	Repeat	2.84	1.77	3.93	2.21	4.95
		<i>RPD</i>	7.5%	2.8%	3.4%	8.2%	0.6%
55	5/11/05 10:31	Normal	1.92	0.675	1.37	0.936	1.39
	5/11/05 10:34	Repeat	1.86	0.702	1.42	0.887	1.24
		<i>RPD</i>	3.2%	3.9%	3.6%	5.4%	11.4%
56	5/11/05 11:07	Normal	3.51	1.19	0.786	1.98	6.49
	5/11/05 11:10	Repeat	3.28	1.29	0.86	2.01	6.56
		<i>RPD</i>	6.8%	8.1%	9.0%	1.5%	1.1%
57	5/11/05 11:34	Normal	13.1	4.28	1.57	9.98	45.4
	5/11/05 11:37	Repeat	12.8	4.28	1.43	9.92	45.3
		<i>RPD</i>	2.3%	0.0%	9.3%	0.6%	0.2%
58	5/11/05 12:07	Normal	6.88	2.86	1.23	5.2	18.6
	5/11/05 12:10	Repeat	7.06	2.95	1.3	5.31	19.3
		<i>RPD</i>	2.6%	3.1%	5.5%	2.1%	3.7%
59	5/11/05 12:46	Normal	3.37	1.26	1.56	3.9	8.88
	5/11/05 12:49	Repeat	3.29	1.22	1.51	3.78	8.33
		<i>RPD</i>	2.4%	3.2%	3.3%	3.1%	6.4%
60	5/11/05 13:43	Normal	30.8	8.37	3.88	27.7	127
	5/11/05 13:46	Repeat	30	8.38	3.85	26.8	126
		<i>RPD</i>	2.6%	0.1%	0.8%	3.3%	0.8%
61	5/11/05 14:07	Normal	6.42	1.65	1.78	3.81	18
	5/11/05 14:10	Repeat	6.41	1.64	1.76	3.85	18.5
		<i>RPD</i>	0.2%	0.6%	1.1%	1.0%	2.7%
62	5/12/05 9:33	Normal	9.37	3.02	1.69	5.64	30.6
	5/12/05 9:36	Repeat	9.75	3.07	1.52	5.95	31.9
		<i>RPD</i>	4.0%	1.6%	10.6%	5.3%	4.2%
63	5/12/05 10:21	Normal	14.4	3.35	1.68	7.26	35.1
	5/12/05 10:24	Repeat	14.6	3.46	1.76	7.63	36.5
		<i>RPD</i>	1.4%	3.2%	4.7%	5.0%	3.9%
64	5/12/05 11:03	Normal	2.55	0.708	0.779	1.81	3.72
	5/12/05 11:06	Repeat	2.49	0.672	0.755	1.85	3.57
		<i>RPD</i>	2.4%	5.2%	3.1%	2.2%	4.1%

Table A-1. (continued).

	Analysis Date	Type	CHCl ₃	TCA	PCE	TCE	CCl ₄
65	5/12/05 11:30	Normal	2.94	1.3	0.687	1.62	6.13
	5/12/05 11:33	Repeat	2.98	1.32	0.669	1.68	6.1
		<i>RPD</i>	1.4%	1.5%	2.7%	3.6%	0.5%
66	6/1/05 0:00	Normal	1.8	0.985	2.52	1.36	2.63
	6/1/05 0:00	Repeat	14.2	2	0.87	1.01	0.299
		<i>RPD</i>	155.0%	68.0%	97.3%	29.5%	159.2%
67	6/1/05 11:20	Normal	1.68	0.554	0.401	0.599	1.17
	6/1/05 11:23	Repeat	1.65	0.609	0.482	0.629	1.1
		<i>RPD</i>	1.8%	9.5%	18.3%	4.9%	6.2%
68	6/1/05 12:05	Normal	1.69	0.559	0.294	0.63	0.832
	6/1/05 12:08	Repeat	1.57	0.532	0.329	0.654	0.851
		<i>RPD</i>	7.4%	4.9%	11.2%	3.7%	2.3%
69	6/1/05 12:56	Normal	2.62	1.14	0.64	1.05	3.67
	6/1/05 12:59	Repeat	2.36	0.967	0.514	0.966	3.48
		<i>RPD</i>	10.4%	16.4%	21.8%	8.3%	5.3%
70	6/1/05 13:40	Normal	1.56	0.325	0.172	0.584	0.242
	6/1/05 13:44	Repeat	1.47	0.286	0.241	0.388	0.221
		<i>RPD</i>	5.9%	12.8%	33.4%	40.3%	9.1%
71	6/2/05 10:32	Normal	15.4	6.26	5.63	14.3	44.9
	6/2/05 10:35	Repeat	15.7	6.34	5.92	14.5	46.1
		<i>RPD</i>	1.9%	1.3%	5.0%	1.4%	2.6%
72	6/2/05 11:29	Normal	5.24	2.44	2.19	3.63	10.7
	6/2/05 11:32	Repeat	5.18	2.53	2.1	3.63	10.7
		<i>RPD</i>	1.2%	3.6%	4.2%	0.0%	0.0%
73	6/2/05 12:08	Normal	3.32	1.94	1.11	3.22	9.88
	6/2/05 12:11	Repeat	3.08	1.96	1.11	3.13	9.42
		<i>RPD</i>	7.5%	1.0%	0.0%	2.8%	4.8%
74	6/2/05 12:53	Normal	2.11	0.588	0.576	1.18	2.41
	6/2/05 12:56	Repeat	1.97	0.514	0.535	1.1	2.32
		<i>RPD</i>	6.9%	13.4%	7.4%	7.0%	3.8%
75	6/2/05 13:38	Normal	2.27	0.77	0.548	2.02	3.98
	6/2/05 13:41	Repeat	2.35	0.698	0.601	1.68	3.59
		<i>RPD</i>	3.5%	9.8%	9.2%	18.4%	10.3%

Table A-1. (continued).

	Analysis Date	Type	CHCl ₃	TCA	PCE	TCE	CCl ₄
76	6/2/05 14:26	Normal	6.99	2.06	1.85	11.1	24.8
	6/2/05 14:29	Repeat	6.57	2.04	1.82	10	22.2
		<i>RPD</i>	6.2%	1.0%	1.6%	10.4%	11.1%
77	6/2/05 14:56	Normal	5.73	3.48	9.47	7.18	8.16
	6/2/05 14:59	Repeat	5.22	2.85	7.88	6.19	7.51
		<i>RPD</i>	9.3%	19.9%	18.3%	14.8%	8.3%
78	6/2/05 15:29	Normal	5.61	1.96	2.49	7.15	15.5
	6/2/05 15:32	Repeat	5.73	2.09	2.33	7.46	16.1
		<i>RPD</i>	2.1%	6.4%	6.6%	4.2%	3.8%

CCl₄ = carbon tetrachlorideCHCl₃ = chloroform

PCE = tetrachloroethylene

TCA = trichloroethane

TCE = trichloroethylene

Table A-2. Sample duplicates during the midyear 2005 operational period.

	Analysis Date	Type	CHCl ₃	TCA	PCE	TCE	CCl ₄
1	1/6/05 16:03	Normal	4.26	1.63	0.619	1.32	1.9
	1/6/05 16:06	Repeat	4.09	1.67	0.624	1.37	1.69
	<i>RPD</i>		4.1%	2.4%	0.8%	3.7%	11.7%
2	1/11/05 14:56	Normal	7.07	2.2	0.739	3.32	8.39
	1/11/05 15:02	Repeat	7.77	2.29	0.848	3.42	7.54
	<i>RPD</i>		9.4%	4.0%	13.7%	3.0%	10.7%
3	1/11/05 15:05	Normal	20.6	7.16	2.24	10.7	60.3
	1/11/05 15:08	Repeat	25.5	7.36	2.28	14.5	70.1
	<i>RPD</i>		21.3%	2.8%	1.8%	30.2%	15.0%
4	1/12/05 12:17	Normal	8.26	4.3	5.53	4.47	8.06
	1/12/05 12:20	Repeat	8.32	4.25	5	4.81	9.44
	<i>RPD</i>		0.7%	1.2%	10.1%	7.3%	15.8%
5	1/12/05 13:17	Normal	4.27	2.16	1.31	1.39	2.46
	1/12/05 13:20	Repeat	4.5	2.23	1.34	1.33	2.6
	<i>RPD</i>		5.2%	3.2%	2.3%	4.4%	5.5%
6	2/9/05 15:41	Normal	1.91	1.07	0.449	1.07	1.04
	2/9/05 15:44	Repeat	1.85	0.902	0.527	0.82	0.534
	<i>RPD</i>		3.2%	17.0%	16.0%	26.5%	64.3%
7	2/10/05 11:59	Normal	3.72	2.36	5.63	3.59	6.77
	2/10/05 12:02	Repeat	3.1	2.05	4.44	2.91	5.93
	<i>RPD</i>		18.2%	14.1%	23.6%	20.9%	13.2%
8	2/10/05 12:26	Normal	6.18	2.11	2.68	3.14	8.17
	2/10/05 12:29	Repeat	5.14	1.81	2.31	2.71	8.32
	<i>RPD</i>		18.4%	15.3%	14.8%	14.7%	1.8%
9	2/10/05 15:20	Normal	16.7	4.46	1.48	7.15	43
	2/10/05 15:23	Repeat	11.8	2.94	1.13	7.47	29.6
	<i>RPD</i>		34.4%	41.1%	26.8%	4.4%	36.9%
10	2/10/05 15:56	Normal	7.55	3.07	1.39	3.44	7.8
	2/10/05 15:59	Repeat	8.38	3.66	1.64	4.32	8.73
	<i>RPD</i>		10.4%	17.5%	16.5%	22.7%	11.3%
11	2/10/05 17:01	Normal	4.62	2.08	0.899	3.79	10.6
	2/10/05 17:04	Repeat	3.38	1.53	0.775	3.01	6.97
	<i>RPD</i>		31.0%	30.5%	14.8%	22.9%	41.3%

Table A-2. (continued).

	Analysis Date	Type	CHCl ₃	TCA	PCE	TCE	CCl ₄
12	3/8/05 9:39	Normal	4.21	3.62	8.36	5.41	8.57
	3/8/05 9:42	Repeat	3.53	2.98	7.06	4.45	6.81
	<i>RPD</i>		17.6%	19.4%	16.9%	19.5%	22.9%
13	3/8/05 11:15	Normal	2.64	1.05	0.95	1.13	2.98
	3/8/05 11:18	Repeat	2.48	0.974	0.794	1.13	2.52
	<i>RPD</i>		6.3%	7.5%	17.9%	0.0%	16.7%
14	3/8/05 11:45	Normal	2.39	1.11	0.795	1.1	1.26
	3/8/05 11:48	Repeat	2.51	1.13	0.766	0.912	1.05
	<i>RPD</i>		4.9%	1.8%	3.7%	18.7%	18.2%
15	3/8/05 12:27	Normal	2.09	0.973	0.387	0.746	1
	3/8/05 12:30	Repeat	1.93	0.926	0.444	0.747	0.85
	<i>RPD</i>		8.0%	4.9%	13.7%	0.1%	16.2%
16	3/8/05 12:42	Normal	2.08	0.769	0.49	0.642	1.02
	3/8/05 12:45	Repeat	2.05	0.76	0.384	0.69	0.953
	<i>RPD</i>		1.5%	1.2%	24.3%	7.2%	6.8%
17	3/9/05 11:29	Normal	11.4	3.99	3.63	10.3	34.2
	3/9/05 11:32	Repeat	11.6	4.08	3.77	10.7	35.4
	<i>RPD</i>		1.7%	2.2%	3.8%	3.8%	3.4%
18	3/9/05 12:20	Normal	9	4.11	2.66	5.45	7.78
	3/9/05 12:23	Repeat	9.37	4.27	2.85	6.29	8.12
	<i>RPD</i>		4.0%	3.8%	6.9%	14.3%	4.3%
19	3/9/05 14:17	Normal	5.02	2.27	1.24	4.7	15.2
	3/9/05 14:20	Repeat	3.42	1.35	1.01	3.09	7.08
	<i>RPD</i>		37.9%	50.8%	20.4%	41.3%	72.9%
20	3/10/05 9:28	Normal	6.16	2.02	2.73	4.7	10.8
	3/10/05 9:31	Repeat	5.5	1.72	2.27	4.2	8.54
	<i>RPD</i>		11.3%	16.0%	18.4%	11.2%	23.4%
21	4/5/05 10:14	Normal	15.4	6.13	4.49	13.6	54.3
	4/5/05 10:17	Repeat	22	6.63	4.66	18.7	70.4
	<i>RPD</i>		35.3%	7.8%	3.7%	31.6%	25.8%
22	4/5/05 10:44	Normal	15.9	5.94	3.89	15.2	33.2
	4/5/05 10:50	Repeat	13	5.35	3.53	11.9	21.2
	<i>RPD</i>		20.1%	10.5%	9.7%	24.4%	44.1%

Table A-2. (continued).

	Analysis Date	Type	CHCl ₃	TCA	PCE	TCE	CCl ₄
23	4/5/05 11:32	Normal	6.45	3.06	1.92	7.7	25.4
	4/5/05 11:35	Repeat	4.27	1.79	1.47	5.24	13.3
		<i>RPD</i>	40.7%	52.4%	26.5%	38.0%	62.5%
24	4/6/05 11:00	Normal	4.44	1.55	2.09	2.53	7.76
	4/6/05 11:03	Repeat	5.21	1.61	1.89	2.52	7.82
		<i>RPD</i>	16.0%	3.8%	10.1%	0.4%	0.8%
25	4/6/05 12:51	Normal	2.78	0.977	0.963	1.03	1.5
	4/6/05 12:54	Repeat	2.86	1	1.2	1.29	1.89
		<i>RPD</i>	2.8%	2.3%	21.9%	22.4%	23.0%
26	4/7/05 14:03	Normal	3.46	2.01	4.6	2.92	7.09
	4/7/05 14:06	Repeat	3.3	1.89	3.87	2.57	5.98
		<i>RPD</i>	4.7%	6.2%	17.2%	12.8%	17.0%
27	4/7/05 14:18	Normal	2.93	1.52	2.64	1.81	4.28
	4/7/05 14:21	Repeat	3.01	1.47	2.31	1.56	3.82
		<i>RPD</i>	2.7%	3.3%	13.3%	14.8%	11.4%
28	5/10/05 14:01	Normal	3.04	2.09	3.77	2.38	7.46
	5/10/05 14:03	Repeat	2.76	2.01	3.58	2.2	6.97
		<i>RPD</i>	9.7%	3.9%	5.2%	7.9%	6.8%
29	5/11/05 9:37	Normal	3.4	2.69	7.29	4.62	5.03
	5/11/05 9:40	Repeat	3.18	2.48	6.72	4.12	4.53
		<i>RPD</i>	6.7%	8.1%	8.1%	11.4%	10.5%
30	5/11/05 10:55	Normal	2.46	0.732	1.16	1.54	3.18
	5/11/05 10:58	Repeat	2.24	0.75	0.994	1.51	2.76
		<i>RPD</i>	9.4%	2.4%	15.4%	2.0%	14.1%
31	5/11/05 11:40	Normal	21.3	6.52	3.03	17	79
	5/11/05 11:43	Repeat	22.9	5.94	3.76	20.9	77.5
		<i>RPD</i>	7.2%	9.3%	21.5%	20.6%	1.9%
32	5/11/05 12:52	Normal	5.07	1.94	1.39	3.8	12.3
	5/11/05 12:55	Repeat	5.51	2.13	1.3	4.24	13.8
		<i>RPD</i>	8.3%	9.3%	6.7%	10.9%	11.5%
33	5/11/05 13:55	Normal	7.54	1.58	1.31	5.85	21.7
	5/11/05 13:58	Repeat	7.07	1.43	1.14	5.45	15.6
		<i>RPD</i>	6.4%	10.0%	13.9%	7.1%	32.7%

Table A-2. (continued).

	Analysis Date	Type	CHCl ₃	TCA	PCE	TCE	CCl ₄
34	5/12/05 10:36	Normal	3.53	1.25	0.985	3.75	11.9
	5/12/05 10:39	Repeat	2.95	0.928	0.869	2.81	8.03
		<i>RPD</i>	17.9%	29.6%	12.5%	28.7%	38.8%
35	6/1/05 0:00	Normal	1.8	0.985	2.52	1.36	2.63
	6/1/05 0:00	Repeat	1.94	0.698	1.71	1.44	2.13
		<i>RPD</i>	7.5%	34.1%	38.3%	5.7%	21.0%
36	6/1/05 11:20	Normal	1.68	0.554	0.401	0.599	1.17
	6/1/05 11:26	Repeat	1.41	0.51	0.301	0.674	1.05
		<i>RPD</i>	17.5%	8.3%	28.5%	11.8%	10.8%
37	6/1/05 12:35	Normal	2.17	0.806	0.353	0.942	2.14
	6/1/05 12:38	Repeat	2.33	1.02	0.471	0.951	2.96
		<i>RPD</i>	7.1%	23.4%	28.6%	1.0%	32.2%
38	6/1/05 13:26	Normal	1.51	0.538	0.327	0.489	0.943
	6/1/05 13:29	Repeat	1.45	0.496	0.396	0.543	0.925
		<i>RPD</i>	4.1%	8.1%	19.1%	10.5%	1.9%
39	6/1/05 13:40	Normal	1.56	0.325	0.172	0.584	0.242
	6/1/05 13:49	Repeat	1.45	0.244	0.276	0.432	0.099
		<i>RPD</i>	7.3%	28.5%	46.4%	29.9%	83.8%
40	6/2/05 10:17	Normal	18.6	5.45	6.08	16.5	48.1
	6/2/05 10:20	Repeat	23.3	5.64	5.72	21.1	58
		<i>RPD</i>	22.4%	3.4%	6.1%	24.5%	18.7%
41	6/2/05 14:41	Normal	4.41	1.01	1.29	5.5	10.6
	6/2/05 14:44	Repeat	3.28	0.767	0.887	3.91	6.89
		<i>RPD</i>	29.4%	27.3%	37.0%	33.8%	42.4%
42	6/2/05 15:41	Normal	6.12	1.49	1.8	4.63	10.5
	6/2/05 15:44	Repeat	5.9	1.34	1.39	4.13	8.78
		<i>RPD</i>	3.7%	10.6%	25.7%	11.4%	17.8%

CCl₄ = carbon tetrachlorideCHCl₃ = chloroform

PCE = tetrachloroethylene

TCA = trichloroethane

TCE = trichloroethylene

Appendix B

Analytical Accuracy

Appendix B

Analytical Accuracy

Standards (i.e., premixed gas samples at verified concentrations) were purchased at concentrations of 1, 5, 100, 500, and 1,000 ppm. These standard gasses were analyzed before analysis of each set of vapor samples from the vadose zone at the RWMC to quantify and validate instrument performance. Table B-1 and Figures B-1, B-2, B-3, B-4, and B-5 illustrate the accuracy of the Brüel and Kjær (B&K) photoacoustic gas analyzer during the midyear 2005 operational period. Numbers in red represent exceeding the 20% accuracy goal.

Table B-1. Brüel and Kjær photoacoustic gas analyzer standard results.

Type	Sample Date	CHCl ₃	TCA	PCE	TCE	CCl ₄
1 PPM MIX	06-Jan-05	3.15	2.20	0.89	1.22	0.46
1 PPM MIX	13-Jan-05	4.01	2.16	0.94	1.11	0.26
1 PPM MIX	20-Jan-05	3.50	2.22	0.95	1.25	0.45
1 PPM MIX	27-Jan-05	3.21	2.16	1.08	1.18	0.51
1 PPM MIX	03-Feb-05	3.40	2.25	1.08	1.39	0.48
1 PPM MIX	10-Feb-05	14.80	3.18	1.91	1.91	1.11
1 PPM MIX	17-Feb-05	2.55	1.96	0.95	1.41	0.67
1 PPM MIX	24-Feb-05	2.39	1.94	0.97	1.51	0.71
1 PPM MIX	03-Mar-05	2.19	1.82	1.02	1.36	0.77
1 PPM MIX	08-Mar-05	2.24	2.01	1.00	1.53	0.82
1 PPM MIX	09-Mar-05	1.95	1.59	0.97	1.31	0.83
1 PPM MIX	10-Mar-05	1.51	1.38	0.75	1.20	0.76
1 PPM MIX	17-Mar-05	2.07	1.71	0.91	1.33	0.76
1 PPM MIX	24-Mar-05	1.79	1.64	0.91	1.36	0.82
1 PPM MIX	31-Mar-05	2.17	1.82	1.00	1.49	0.74
1 PPM MIX	05-Apr-05	1.62	1.51	0.85	1.18	0.89
1 PPM MIX	06-Apr-05	1.59	1.64	0.80	1.35	0.78
1 PPM MIX	07-Apr-05	1.26	1.48	0.83	1.17	0.84
1 PPM MIX	07-Apr-05	1.56	1.59	0.81	1.28	0.86
1 PPM MIX	14-Apr-05	2.44	1.88	1.03	1.56	0.80
1 PPM MIX	21-Apr-05	2.17	1.68	0.93	1.39	0.81
1 PPM MIX	28-Apr-05	1.98	1.75	1.03	1.54	0.79
1 PPM MIX	05-May-05	2.34	1.99	1.09	1.56	0.85
1 PPM MIX	10-May-05	1.11	1.39	0.70	1.31	0.90
1 PPM MIX	11-May-05	0.99	1.42	0.63	1.35	0.80

Table B-1. (continued).

Type	Sample Date	CHCl ₃	TCA	PCE	TCE	CCl ₄
1 PPM MIX	11-May-05	1.44	1.47	0.77	1.28	0.89
1 PPM MIX	12-May-05	1.06	1.34	0.73	1.12	0.92
1 PPM MIX	19-May-05	0.33	1.21	0.69	1.28	0.92
1 PPM MIX	19-May-05	1.02	1.38	0.85	1.29	0.95
1 PPM MIX	26-May-05	1.69	1.60	0.79	1.48	0.80
1 PPM MIX	01-Jun-05	1.01	1.28	0.74	1.19	0.88
1 PPM MIX	02-Jun-05	1.35	1.42	0.78	1.17	0.84
1 PPM MIX	09-Jun-05	1.65	1.56	0.95	1.46	0.85
1 PPM MIX	16-Jun-05	1.72	1.66	0.95	1.32	0.83
1 PPM MIX	30-Jun-05	0.04	0.81	0.31	1.22	0.65
5 PPM MIX	06-Jan-05	7.77	6.27	2.88	4.21	3.59
5 PPM MIX	11-Jan-05	6.52	6.76	2.10	5.05	4.19
5 PPM MIX	13-Jan-05	8.55	6.48	3.31	4.23	3.64
5 PPM MIX	03-Feb-05	8.44	6.78	3.56	4.37	3.94
5 PPM MIX	10-Feb-05	7.90	7.08	4.32	5.52	5.96
5 PPM MIX	17-Feb-05	6.99	6.27	2.98	4.29	3.79
5 PPM MIX	24-Feb-05	6.99	6.20	2.92	4.32	3.77
5 PPM MIX	03-Mar-05	6.74	6.15	2.97	4.19	3.78
5 PPM MIX	08-Mar-05	6.99	6.38	3.02	4.42	4.06
5 PPM MIX	09-Mar-05	6.94	6.41	3.04	4.61	4.42
5 PPM MIX	10-Mar-05	6.44	5.98	2.79	4.29	4.16
5 PPM MIX	17-Mar-05	6.69	6.04	2.95	4.31	3.99
5 PPM MIX	24-Mar-05	6.58	6.16	3.03	4.48	4.11
5 PPM MIX	31-Mar-05	7.15	6.40	3.24	4.70	4.13
5 PPM MIX	05-Apr-05	6.78	6.16	2.80	4.46	4.32
5 PPM MIX	06-Apr-05	7.03	6.33	2.89	4.55	4.49
5 PPM MIX	07-Apr-05	6.41	5.83	2.77	4.33	4.18
5 PPM MIX	07-Apr-05	6.85	6.27	2.97	4.54	4.53
5 PPM MIX	14-Apr-05	7.20	6.50	3.17	4.58	4.13
5 PPM MIX	21-Apr-05	7.30	6.43	3.21	4.57	4.34
5 PPM MIX	28-Apr-05	6.95	6.43	3.43	4.69	4.18
5 PPM MIX	05-May-05	7.41	6.64	3.47	4.67	4.11
5 PPM MIX	10-May-05	5.81	6.26	3.46	4.93	4.77
5 PPM MIX	11-May-05	6.69	6.15	2.85	4.55	4.37

Table B-1. (continued).

Type	Sample Date	CHCl ₃	TCA	PCE	TCE	CCl ₄
5 PPM MIX	12-May-05	6.23	5.85	2.79	4.42	4.17
5 PPM MIX	19-May-05	6.31	5.64	2.94	4.28	4.18
5 PPM MIX	26-May-05	6.72	6.10	2.98	4.40	4.00
5 PPM MIX	01-Jun-05	6.40	6.00	2.90	4.44	4.38
5 PPM MIX	02-Jun-05	6.51	5.90	2.76	4.30	4.13
5 PPM MIX	02-Jun-05	6.75	6.47	4.06	4.74	4.83
5 PPM MIX	09-Jun-05	6.74	6.29	3.11	4.48	4.36
5 PPM MIX	16-Jun-05	6.27	5.80	2.80	4.07	3.77
5 PPM MIX	24-Jun-05	4.98	4.55	1.27	3.94	4.00
5 PPM MIX	30-Jun-05	3.77	3.60	0.84	2.72	3.10
100 PPM MIX	06-Jan-05	101	93.5	55.8	77	80.2
100 PPM MIX	11-Jan-05	103	95.9	59	76.5	81.7
100 PPM MIX	12-Jan-05	112	102	67.3	84.6	87.3
100 PPM MIX	13-Jan-05	94.7	85.4	54	67.2	72.1
100 PPM MIX	20-Jan-05	105	95.5	65.5	76.6	81
100 PPM MIX	27-Jan-05	105	96	64.8	77.6	81.5
100 PPM MIX	10-Feb-05	103	96.5	53.8	76.2	82.9
100 PPM MIX	17-Feb-05	101	94.2	56.6	73.4	76.7
100 PPM MIX	24-Feb-05	98	91.4	53	70.1	74
100 PPM MIX	03-Mar-05	100	93.5	56.2	73.6	76.8
100 PPM MIX	08-Mar-05	108	101	64.2	82.3	84
100 PPM MIX	09-Mar-05	136	128	112	137	117
100 PPM MIX	10-Mar-05	101	95.4	53.9	77.7	82.4
100 PPM MIX	17-Mar-05	99.1	93	57.1	75.9	78.6
100 PPM MIX	24-Mar-05	103	97.1	58.7	78.2	81.9
100 PPM MIX	31-Mar-05	108	100	64	82.4	83.7
100 PPM MIX	05-Apr-05	105	99.3	57.1	81.7	86.5
100 PPM MIX	06-Apr-05	108	102	58.2	84.1	89
100 PPM MIX	07-Apr-05	104	97.4	58	81.9	85.5
100 PPM MIX	07-Apr-05	114	107	75.1	95.7	94.9
100 PPM MIX	07-Apr-05	112	106	68.9	92.8	93.9
100 PPM MIX	14-Apr-05	107	100	61.2	81.1	83.7
100 PPM MIX	21-Apr-05	101	94.8	58.9	77.3	79.9
100 PPM MIX	28-Apr-05	103	96.3	61.8	77.8	79.7

Table B-1. (continued).

Type	Sample Date	CHCl ₃	TCA	PCE	TCE	CCl ₄
100 PPM MIX	05-May-05	107	99.6	67.2	81.6	81.5
100 PPM MIX	10-May-05	106	100	60.7	83.8	87.6
100 PPM MIX	11-May-05	105	99	56.9	81.1	86.2
100 PPM MIX	12-May-05	103	97.2	57.1	80.8	85
100 PPM MIX	19-May-05	100	103	60.8	84.6	89.5
100 PPM MIX	19-May-05	101	104	62.9	86.9	91.3
100 PPM MIX	26-May-05	89.2	90.6	52.9	70.7	75.5
100 PPM MIX	02-Jun-05	84.3	86.7	47.5	67.9	73.9
100 PPM MIX	02-Jun-05	93.9	96.4	53.7	76	82.7
100 PPM MIX	09-Jun-05	102	104	65.6	84.8	88.1
100 PPM MIX	09-Jun-05	101	103	63.4	88	82.1
100 PPM MIX	16-Jun-05	85.9	87.3	49.6	67.2	72.2
100 PPM MIX	24-Jun-05	60.8	61.1	13.9	44.8	61.5
100 PPM MIX	30-Jun-05	58.8	59.7	12.6	42.1	59.9
500 PPM MIX	11-Jan-05	473	458	286	368	361
500 PPM MIX	13-Jan-05	434	414	268	328	329
500 PPM MIX	20-Jan-05	442	423	282	335	335
500 PPM MIX	27-Jan-05	446	426	283	343	339
500 PPM MIX	10-Feb-05	498	491	285	392	384
500 PPM MIX	17-Feb-05	391	383	228	295	291
500 PPM MIX	24-Feb-05	429	419	241	318	315
500 PPM MIX	03-Mar-05	441	432	252	333	330
500 PPM MIX	08-Mar-05	502	492	322	409	380
500 PPM MIX	09-Mar-05	496	492	307	414	394
500 PPM MIX	10-Mar-05	462	455	271	377	366
500 PPM MIX	17-Mar-05	445	439	267	354	344
500 PPM MIX	24-Mar-05	430	426	255	339	333
500 PPM MIX	31-Mar-05	482	471	292	380	361
500 PPM MIX	05-Apr-05	518	514	320	437	416
500 PPM MIX	06-Apr-05	521	516	297	423	414
500 PPM MIX	06-Apr-05	531	524	302	452	460
500 PPM MIX	07-Apr-05	508	501	296	418	408
500 PPM MIX	07-Apr-05	522	517	318	463	425
500 PPM MIX	14-Apr-05	526	515	322	442	403

Table B-1. (continued).

Type	Sample Date	CHCl ₃	TCA	PCE	TCE	CCl ₄
500 PPM MIX	21-Apr-05	446	439	268	354	345
500 PPM MIX	28-Apr-05	457	448	291	363	344
500 PPM MIX	05-May-05	432	423	275	339	322
500 PPM MIX	10-May-05	509	506	355	441	409
500 PPM MIX	11-May-05	503	497	290	428	442
500 PPM MIX	11-May-05	518	513	311	455	435
500 PPM MIX	12-May-05	473	468	275	388	379
500 PPM MIX	19-May-05	492	488	294	405	394
500 PPM MIX	26-May-05	442	436	263	349	340
500 PPM MIX	02-Jun-05	476	473	292	394	381
500 PPM MIX	09-Jun-05	499	493	291	409	384
500 PPM MIX	16-Jun-05	431	425	255	335	329
500 PPM MIX	24-Jun-05	353	345	88.6	266	335
500 PPM MIX	30-Jun-05	282	279	61.5	198	269
1000 PPM CCl ₄	06-Jan-05	29.9	26.2	51.9	45.9	688
1000 PPM CCl ₄	12-Jan-05	23.2	18.4	51.1	33.8	694
1000 PPM CCl ₄	13-Jan-05	30.5	25.3	54.6	42.4	605
1000 PPM CCl ₄	20-Jan-05	27.7	22.4	52.6	39.3	665
1000 PPM CCl ₄	27-Jan-05	27.2	22.2	54.2	39.1	687
1000 PPM CCl ₄	10-Feb-05	19.2	19.9	57.2	36.9	714
1000 PPM CCl ₄	17-Feb-05	23.2	22.7	50.8	36.8	655
1000 PPM CCl ₄	03-Mar-05	27.2	27.3	62.5	45.5	660
1000 PPM CCl ₄	08-Mar-05	19.9	20.7	46.3	33.1	735
1000 PPM CCl ₄	09-Mar-05	35.7	37.9	81.7	65.4	769
1000 PPM CCl ₄	10-Mar-05	28	30.6	70.1	54.2	758
1000 PPM CCl ₄	17-Mar-05	21.9	23.2	56.4	41.1	696
1000 PPM CCl ₄	24-Mar-05	21.6	22.9	54.9	39.8	690
1000 PPM CCl ₄	31-Mar-05	26.4	27.3	66	46.4	699
1000 PPM CCl ₄	05-Apr-05	13.2	16	36.1	27.9	787
1000 PPM CCl ₄	06-Apr-05	43.1	43.2	88.2	110	905
1000 PPM CCl ₄	07-Apr-05	39.9	40.6	82.5	106	882
1000 PPM CCl ₄	07-Apr-05	10.6	14.2	44.4	28.4	856
1000 PPM CCl ₄	14-Apr-05	32.7	31.8	53.9	81.9	833
1000 PPM CCl ₄	21-Apr-05	26	24.7	41.5	70	800

Table B-1. (continued).

Type	Sample Date	CHCl_3	TCA	PCE	TCE	CCl_4
1000 PPM CCl_4	28-Apr-05	25.7	25.9	66.5	45.3	706
1000 PPM CCl_4	05-May-05	24.6	24.1	62.4	41.5	687
1000 PPM CCl_4	10-May-05	33.5	33.5	61	90	865
1000 PPM CCl_4	10-May-05	9.3	12.2	33.2	22.3	805
1000 PPM CCl_4	11-May-05	20.1	20.7	32.9	68.1	832
1000 PPM CCl_4	12-May-05	24.2	27.3	65.2	49.9	751
1000 PPM CCl_4	09-Jun-05	23.2	22.5	37.2	64.5	698
1000 PPM CCl_4	16-Jun-05	19	20.2	51.1	35.5	646
1000 PPM CCl_4	24-Jun-05	43.1	43.6	28	55.8	606
1000 PPM CCl_4	30-Jun-05	36.8	38.2	17.2	41.9	505

CCl_4 = carbon tetrachloride

CHCl_3 = chloroform

PCE = tetrachloroethylene

TCA = trichloroethane

TCE = trichloroethylene

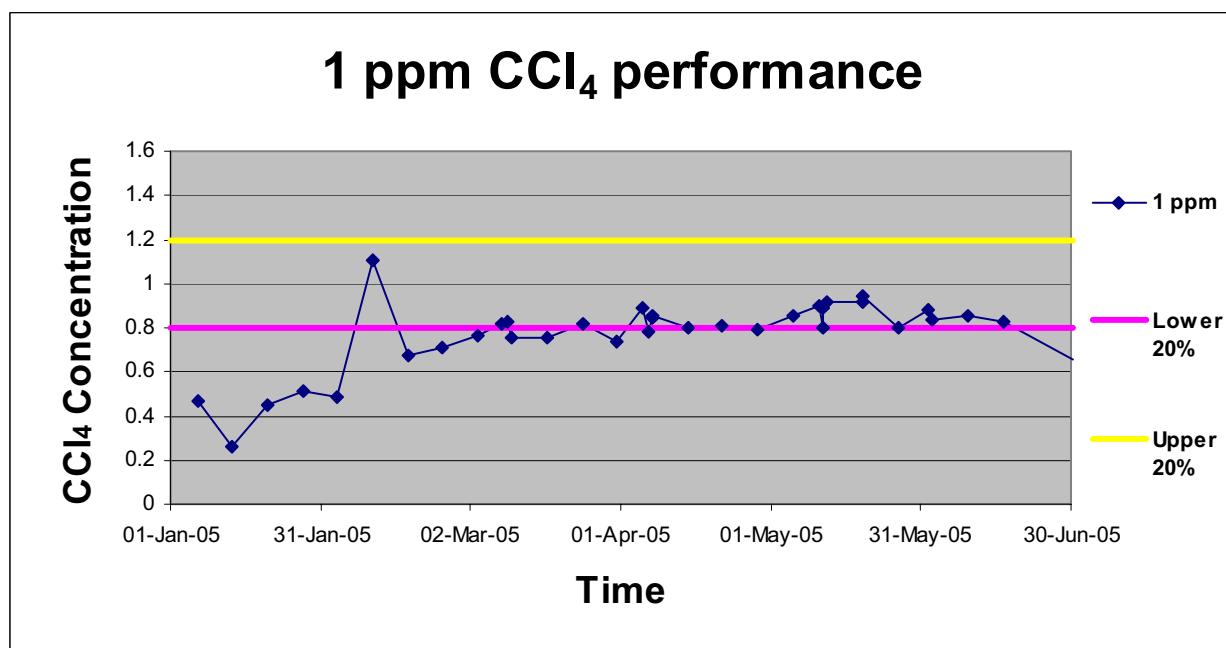


Figure B-1. Brüel and Kjær photoacoustic gas analyzer 1-ppmv carbon tetrachloride standard.

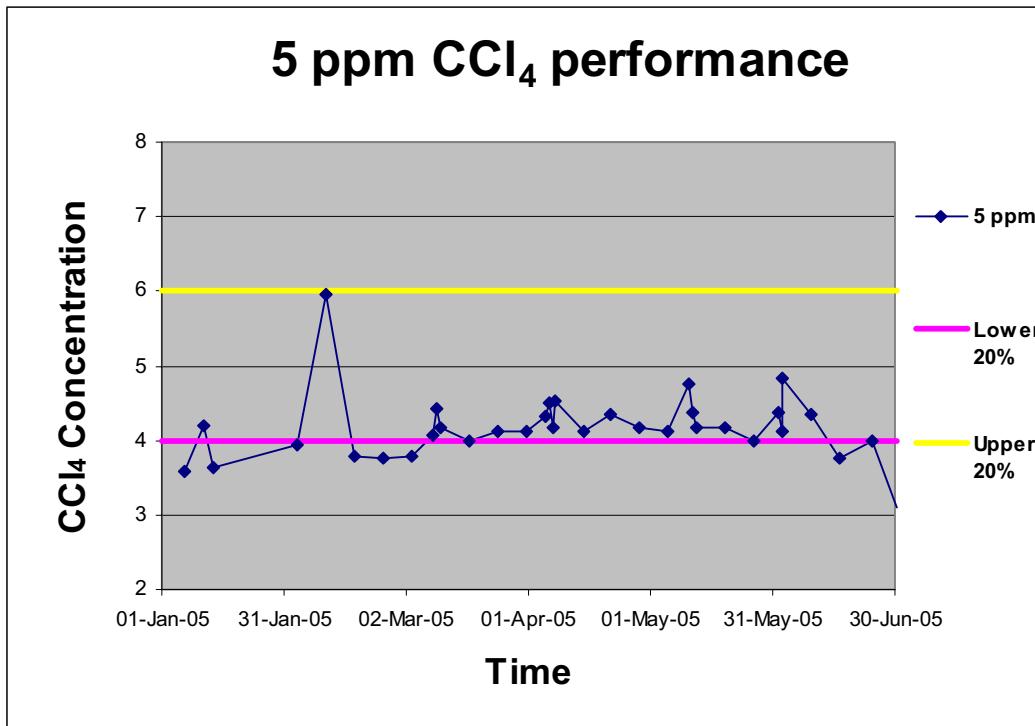


Figure B-2. Brüel and Kjær photoacoustic gas analyzer 5-ppmv carbon tetrachloride standard.

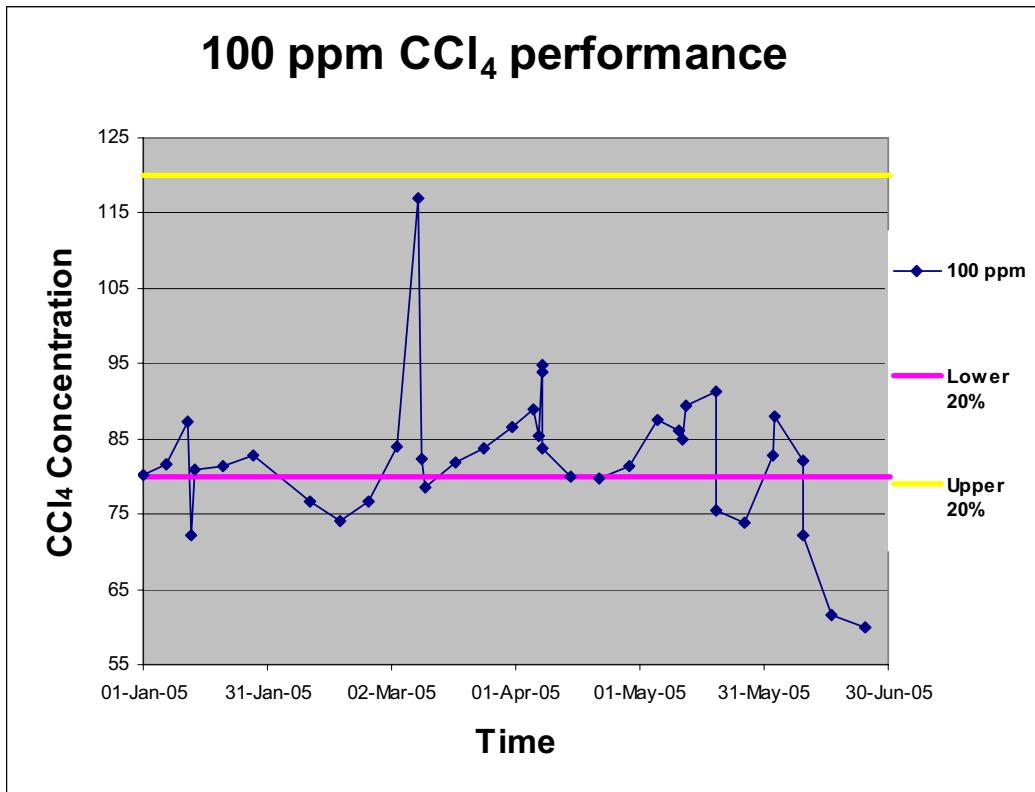


Figure B-3. Brüel and Kjær photoacoustic gas analyzer 100-ppmv carbon tetrachloride standard.

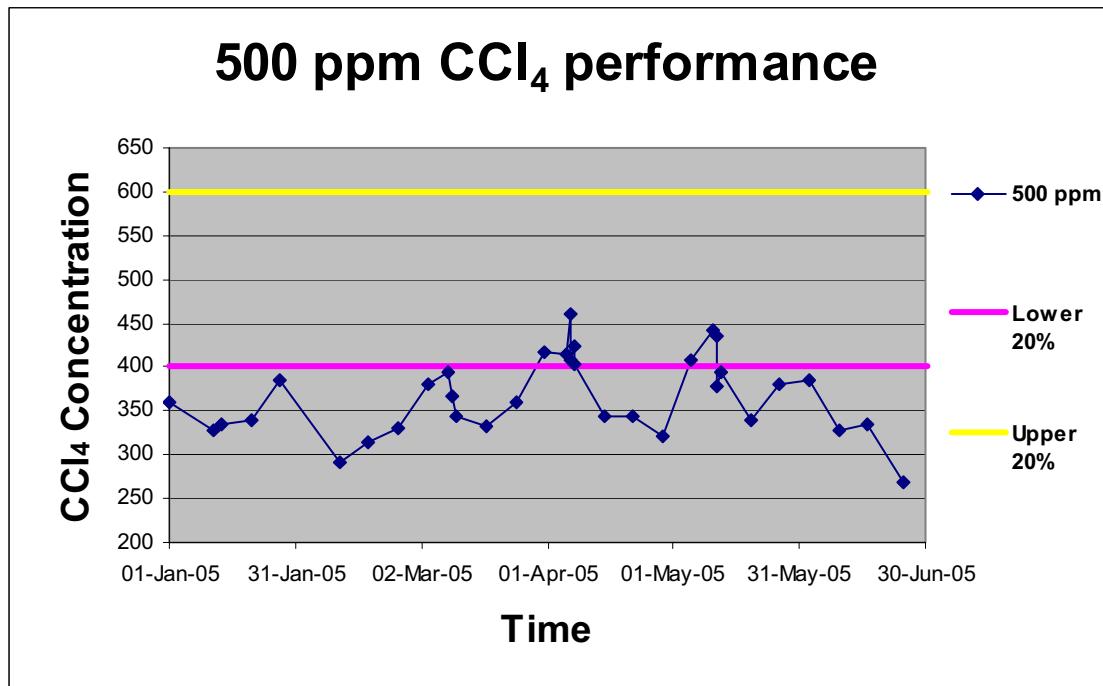


Figure B-4. Brüel and Kjær photoacoustic gas analyzer 500-ppmv carbon tetrachloride standard.

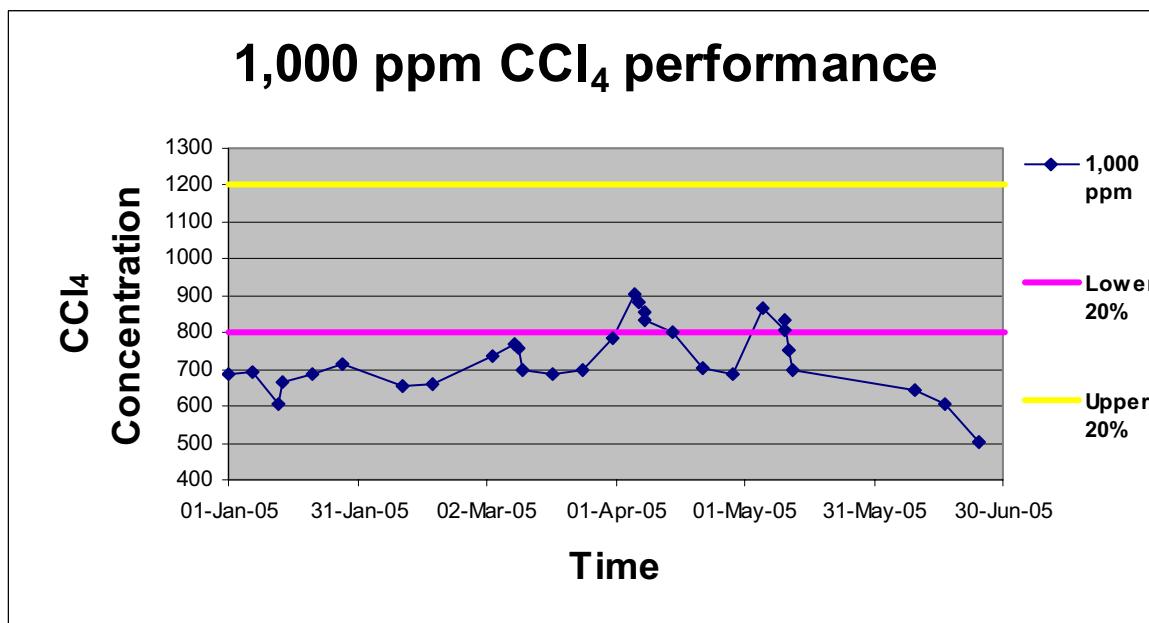


Figure B-5. Brüel and Kjær photoacoustic gas analyzer 1,000-ppmv carbon tetrachloride standard.

Appendix C

Mass Removal Sample Data

Appendix C

Mass Removal Sample Data

Appendix C comprises four tables and five figures. Tables C-1 through C-4 contain the volatile organic compound (VOC) mass removal from each of the three vapor vacuum extraction with treatment (VVET) units at the Subsurface Disposal Area and a cumulative breakdown, per operating cycle, for mass removal through the midyear 2005 operational period. Figures C-1, C-2, and C-3 illustrate the carbon tetrachloride sample concentrations at the units during the midyear 2005 operational period. Figures C-4 and C-5 illustrate the proportion of each VOC of the cumulative mass removed during the midyear 2005 operational period.

Table C-1. Unit D midyear 2005 mass removal calculation.

ID Number	Sample Date	Sample Time	Decimal Date	Actual Data					# of Days	Riemann Sums				
				CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCl ₄ (ppmv)		CHCl ₃ (ppmv*day)	1,1,1-TCA (ppmv*day)	PCE (ppmv*day)	TCE (ppmv*day)	CCl ₄ (ppmv*day)
START	1/3/2005	9:36	38355.4	29.00	21.50	29.90	50.00	88.10	0.00	13.72	10.18	14.15	23.66	41.69
UNIT D-1/4/05	1/4/2005	8:19	38356.3	18.90	11.90	20.50	29.40	47.60	0.95	18.25	11.49	19.80	28.39	45.96
UNIT D-1/5/05	1/5/2005	7:57	38357.3	17.70	10.20	17.00	24.90	39.30	1.93	17.58	10.13	16.89	24.74	39.04
UNIT D-1/6/05	1/6/2005	8:00	38358.3	16.10	8.99	14.50	24.70	35.30	2.93	40.60	22.67	36.57	62.29	89.02
UNIT D-1/10/05	1/10/2005	9:00	38362.4	21.90	13.80	25.40	29.30	57.70	6.97	54.61	34.41	63.34	73.07	143.89
UNIT D-1/11/05	1/11/2005	7:42	38363.3	17.60	10.00	19.40	23.20	40.40	7.92	17.78	10.10	19.60	23.44	40.82
STOP	1/12/2005	9:30	38364.4	17.60	10.00	19.40	23.20	40.40	9.00	9.46	5.38	10.43	12.47	21.72
START	1/17/2005	10:20	38369.4	36.60	26.70	37.70	67.90	113.00	0.00	16.38	11.95	16.87	30.39	50.58
UNIT D-1/18/05	1/18/2005	7:49	38370.3	23.50	14.80	25.80	41.20	62.90	0.90	22.38	14.10	24.57	39.24	59.91
UNIT D-1/19/05	1/19/2005	8:03	38371.3	20.70	12.40	21.70	35.20	51.10	1.90	20.78	12.45	21.78	35.33	51.30
UNIT D-1/20/05	1/20/2005	8:00	38372.3	17.40	9.37	17.30	27.90	38.30	2.90	36.43	19.62	36.22	58.42	80.19
STOP	1/23/2005	12:33	38375.5	17.40	9.37	17.30	27.90	38.30	6.09	27.75	14.94	27.59	44.49	61.08
START	1/24/2005	9:38	38376.4	21.60	14.50	28.00	33.00	62.60	0.00	10.12	6.79	13.12	15.46	29.32
UNIT D-1/25/05	1/25/2005	8:07	38377.3	17.60	10.80	21.20	25.10	42.80	0.94	17.28	10.60	20.81	24.64	42.01
UNIT D-1/26/05	1/26/2005	8:45	38378.4	16.30	9.22	17.60	22.00	35.80	1.96	16.26	9.20	17.56	21.95	35.71
UNIT D-1/27/05	1/27/2005	8:00	38379.3	15.40	8.00	15.00	20.20	31.10	2.93	38.25	19.87	37.26	50.17	77.24
UNIT D-1/31/05	1/31/2005	7:58	38383.3	23.70	16.60	32.90	36.60	69.50	6.93	59.13	41.42	82.09	91.32	173.41
UNIT D-2/1/05	2/1/2005	7:46	38384.3	19.40	12.20	24.90	27.90	46.80	7.92	19.37	12.18	24.87	27.86	46.74
UNIT D-2/2/05	2/2/2005	7:54	38385.3	19.30	12.00	22.30	30.50	46.50	8.93	19.39	12.06	22.41	30.65	46.73
UNIT D-2/3/05	2/3/2005	8:00	38386.3	18.20	10.60	19.40	27.90	39.80	9.93	45.35	26.41	48.34	69.52	99.17
UNIT D-2/7/05	2/7/2005	7:30	38390.3	17.90	12.20	25.60	24.50	62.70	13.91	44.62	30.41	63.81	61.07	156.29
UNIT D-2/8/05	2/8/2005	7:39	38391.3	17.50	11.80	21.60	26.90	53.20	14.92	17.70	11.94	21.85	27.21	53.81
UNIT D-2/9/05	2/9/2005	8:03	38392.3	18.20	12.00	19.90	29.50	52.20	15.93	18.33	12.09	20.05	29.72	52.58
UNIT D-2/10/05	2/10/2005	8:00	38393.3	16.10	10.90	18.10	29.80	46.90	16.93	40.32	27.30	45.33	74.62	117.45
UNIT D-2/14/05	2/14/2005	8:15	38397.3	16.50	11.40	22.70	23.40	49.10	20.94	41.31	28.54	56.83	58.58	122.92
UNIT D-2/15/05	2/15/2005	8:10	38398.3	16.40	11.40	19.50	25.20	45.60	21.94	16.50	11.47	19.62	25.35	45.87
UNIT D-2/16/05	2/16/2005	8:32	38399.4	16.40	10.80	17.40	26.40	41.90	22.95	16.34	10.76	17.34	26.31	41.75
UNIT D-2/17/05	2/17/2005	8:00	38400.3	16.20	10.10	16.40	27.40	39.70	23.93	40.40	25.19	40.90	68.34	99.02
UNIT D-2/21/05	2/21/2005	8:15	38404.3	20.10	14.70	28.50	30.40	58.00	27.94	50.61	37.01	71.75	76.54	146.03
UNIT D-2/22/05	2/22/2005	8:51	38405.4	17.70	12.00	22.60	27.10	44.90	28.97	17.88	12.13	22.84	27.38	45.37

Table C-1. (continued).

ID Number	Sample Date	Sample Time	Decimal Date	Actual Data					# of Days	Riemann Sums				
				CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCl ₄ (ppmv)		CHCl ₃ (ppmv*day)	1,1,1-TCA (ppmv*day)	PCE (ppmv*day)	TCE (ppmv*day)	CCl ₄ (ppmv*day)
UNIT D-2/23/05	2/23/2005	8:45	38406.4	16.00	10.60	18.70	26.00	39.50	29.96	15.72	10.41	18.37	25.54	38.80
UNIT D-2/24/05	2/24/2005	8:00	38407.3	14.90	8.99	16.00	24.20	33.60	30.93	37.02	22.33	39.75	60.12	83.48
UNIT D-2/28/05	2/28/2005	8:00	38411.3	18.10	13.30	27.50	27.30	50.30	34.93	45.25	33.25	68.75	68.25	125.75
UNIT D-3/1/05	3/1/2005	8:00	38412.3	15.10	10.50	21.30	23.30	37.40	35.93	15.10	10.50	21.30	23.30	37.40
UNIT D-3/2/05	3/2/2005	8:00	38413.3	13.50	8.99	17.80	20.90	31.40	36.93	13.50	8.99	17.80	20.90	31.40
UNIT D-3/3/05	3/3/2005	8:00	38414.3	13.50	8.34	15.60	20.60	29.40	37.93	33.90	20.95	39.18	51.74	73.84
UNIT D-3/7/05	3/7/2005	8:33	38418.4	17.00	13.20	29.10	27.80	58.60	41.95	42.61	33.09	72.94	69.68	146.89
UNIT D-3/8/05	3/8/2005	8:19	38419.3	14.00	10.20	22.20	22.70	41.70	42.95	13.96	10.17	22.14	22.64	41.58
UNIT D-3/9/05	3/9/2005	8:25	38420.4	13.20	9.20	18.80	22.10	36.90	43.95	13.11	9.14	18.68	21.95	36.66
UNIT D-3/10/05	3/10/2005	8:00	38421.3	12.60	8.66	16.60	22.30	34.00	44.93	31.61	21.73	41.64	55.94	85.30
UNIT D-3/14/05	3/14/2005	8:50	38425.4	14.40	10.90	24.20	23.10	45.80	48.97	35.99	27.24	60.48	57.73	114.47
UNIT D-3/15/05	3/15/2005	7:58	38426.3	12.40	8.55	18.50	19.10	33.60	49.93	12.06	8.31	17.99	18.57	32.67
UNIT D-3/16/05	3/16/2005	7:30	38427.3	11.10	7.08	15.10	16.60	27.60	50.91	11.11	7.08	15.11	16.61	27.62
UNIT D-3/17/05	3/17/2005	8:00	38428.3	10.80	6.29	13.10	15.50	25.20	51.93	27.00	15.73	32.75	38.76	63.01
UNIT D-3/21/05	3/21/2005	7:31	38432.3	14.70	11.40	23.60	24.20	45.60	55.91	37.24	28.88	59.79	61.31	115.52
STOP	3/22/2005	9:36	38433.4	13.00	9.29	18.90	22.00	35.10	57.00	7.06	5.05	10.27	11.95	19.07
START	3/22/2005	10:26	38433.4	13.00	9.29	18.90	22.00	35.10	0.00	5.98	4.27	8.69	10.11	16.14
UNIT D-3/23/05	3/23/2005	8:30	38434.4	10.90	6.87	14.80	16.90	26.50	0.92	10.35	6.52	14.05	16.04	25.16
UNIT D-3/24/05	3/24/2005	8:00	38435.3	10.70	6.81	13.30	17.40	26.10	1.90	26.70	16.99	33.19	43.42	65.13
UNIT D-3/28/05	3/28/2005	8:17	38439.3	14.90	11.20	26.60	22.50	46.70	5.91	37.30	28.03	66.58	56.32	116.90
UNIT D-3/29/05	3/29/2005	8:09	38440.3	12.40	8.98	20.50	19.10	34.90	6.90	12.27	8.89	20.29	18.90	34.54
UNIT D-3/30/05	3/30/2005	7:47	38441.3	12.20	8.51	17.50	19.70	32.80	7.89	12.16	8.48	17.45	19.64	32.70
UNIT D-3/31/05	3/31/2005	8:00	38442.3	16.70	11.60	18.80	31.60	43.30	8.90	41.90	29.10	47.17	79.29	108.64
UNIT D-4/4/05	4/4/2005	8:13	38446.3	15.50	11.80	27.90	24.40	50.60	12.91	38.78	29.52	69.81	61.05	126.61
UNIT D-4/5/05	4/5/2005	8:06	38447.3	14.70	10.90	22.40	24.90	44.20	13.90	14.63	10.85	22.30	24.79	44.00
UNIT D-4/6/05	4/6/2005	8:00	38448.3	14.60	10.40	19.50	27.20	41.00	14.90	14.57	10.38	19.46	27.14	40.91
UNIT D-4/7/05	4/7/2005	8:00	38449.3	11.90	7.31	15.40	20.50	29.30	15.90	29.88	18.36	38.67	51.48	73.58
UNIT D-4/11/05	4/11/2005	8:32	38453.4	13.20	9.65	17.10	20.10	34.20	19.92	33.06	24.17	42.83	50.34	85.65
UNIT D-4/12/05	4/12/2005	8:13	38454.3	10.90	7.70	14.30	16.90	27.00	20.91	10.82	7.64	14.19	16.77	26.79
UNIT D-4/13/05	4/13/2005	8:10	38455.3	9.83	6.53	12.30	14.70	23.00	21.91	9.79	6.50	12.24	14.63	22.90
UNIT D-4/14/05	4/14/2005	8:00	38456.3	9.95	6.69	11.60	15.70	24.40	22.90	24.94	16.77	29.08	39.36	61.17
UNIT D-4/18/05	4/18/2005	8:30	38460.4	12.60	9.48	19.20	18.50	34.70	26.92	31.53	23.73	48.05	46.30	86.85
UNIT D-4/19/05	4/19/2005	8:08	38461.3	11.10	7.86	15.10	17.20	27.70	27.90	11.03	7.81	15.01	17.09	27.53

Table C-1. (continued).

ID Number	Sample Date	Sample Time	Decimal Date	Actual Data					# of Days	Riemann Sums				
				CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCl ₄ (ppmv)		CHCl ₃ (ppmv*day)	1,1,1-TCA (ppmv*day)	PCE (ppmv*day)	TCE (ppmv*day)	CCl ₄ (ppmv*day)
UNIT D-4/20/05	4/20/2005	8:12	38462.3	10.10	6.64	13.10	15.00	23.00	28.91	10.07	6.62	13.06	14.96	22.94
UNIT D-4/21/05	4/21/2005	8:00	38463.3	9.54	6.21	12.10	14.00	21.20	29.90	23.85	15.53	30.25	35.00	53.01
UNIT D-4/25/05	4/25/2005	8:13	38467.3	13.80	10.30	25.90	21.00	47.70	33.91	34.54	25.78	64.83	52.57	119.40
UNIT D-4/26/05	4/26/2005	8:09	38468.3	12.00	8.61	19.70	19.50	35.40	34.90	12.02	8.62	19.73	19.53	35.46
UNIT D-4/27/05	4/27/2005	8:18	38469.3	10.10	6.59	15.40	15.60	26.00	35.91	10.07	6.57	15.35	15.55	25.92
UNIT D-4/28/05	4/28/2005	8:00	38470.3	9.66	5.84	13.10	14.40	22.60	36.90	25.61	15.48	34.72	38.17	59.91
UNIT D-5/2/05	5/2/2005	15:32	38474.6	14.10	10.40	24.80	21.10	40.20	41.21	35.09	25.88	61.72	52.51	100.04
UNIT D-5/3/05	5/3/2005	7:27	38475.3	11.10	7.68	17.90	16.30	26.90	41.88	9.27	6.41	14.94	13.61	22.45
UNIT D-5/4/05	5/4/2005	7:36	38476.3	9.96	6.59	14.60	14.40	22.40	42.88	10.07	6.67	14.77	14.57	22.66
UNIT D-5/5/05	5/5/2005	8:00	38477.3	9.41	5.84	12.20	13.80	19.50	43.90	24.95	15.48	32.35	36.59	51.70
STOP	5/9/2005	14:52	38481.6	14	10.9	26.5	22.8	46.6	48.18	30.00	23.36	56.79	48.86	99.87
START	5/9/2005	15:45	38481.7	14	10.9	26.5	22.8	46.6	0.00	4.71	3.67	8.92	7.67	15.68
UNIT D-5/10/05	5/10/2005	7:54	38482.3	11.3	8.21	19.8	18.2	32.9	0.67	9.46	6.88	16.58	15.24	27.55
UNIT D-5/11/05	5/11/2005	7:57	38483.3	10.2	6.82	16.2	16.2	27.1	1.68	10.22	6.83	16.23	16.23	27.16
UNIT D-5/12/05	5/12/2005	8:00	38484.3	9.51	6.72	14.4	17.5	25.8	2.68	23.88	16.88	36.16	43.95	64.80
UNIT E-5/16/05	5/16/2005	8:30	38488.4	12.70	9.21	23.70	20.70	17.50	6.70	31.71	22.99	59.17	51.68	43.69
UNIT D-5/17/05	5/17/2005	7:50	38489.3	10.40	7.04	17.90	16.50	15.50	7.67	10.24	6.93	17.63	16.25	15.27
UNIT D-5/18/05	5/18/2005	7:47	38490.3	9.08	5.95	14.20	15.40	15.40	8.67	10.58	6.93	16.55	17.95	17.95
STOP	5/19/2005	15:46	38491.7	8.56	5.27	12.40	14.40	14.10	10.00	5.70	3.51	8.26	9.60	9.40
START	5/23/2005	9:00	38495.4	18	15.4	31.3	32.2	26.1	0.00	8.49	7.27	14.77	15.19	12.32
UNIT D-5/24/05	5/24/2005	7:39	38496.3	12.9	9.93	21	21.8	18.5	0.94	12.57	9.68	20.47	21.25	18.03
UNIT D-5/25/05	5/25/2005	7:47	38497.3	11.8	8.82	17.2	20.4	19.1	1.95	11.89	8.88	17.33	20.55	19.24
UNIT D-5/26/05	5/26/2005	8:00	38498.3	10.3	7.19	14.1	18	16.3	2.96	30.98	21.63	42.41	54.14	49.03
UNIT D-5/31/05	5/31/2005	8:10	38503.3	16.6	13.4	31.5	27.9	21.8	7.97	49.71	40.13	94.33	83.55	65.28
UNIT D-6/1/05	6/1/2005	7:44	38504.3	12.6	9.31	22.3	20.1	16.6	8.95	12.56	9.28	22.22	20.03	16.54
UNIT D-6/2/05	6/2/2005	8:00	38505.3	10.1	7.17	16.8	16.6	14.4	9.96	25.26	17.93	42.02	41.52	36.01
UNIT D-6/6/05	6/6/2005	7:47	38509.3	7.72	5.27	9.83	11	16.2	13.95	19.24	13.14	24.50	27.42	40.38
UNIT D-6/7/05	6/7/2005	7:39	38510.3	6.46	4.02	7.12	9.12	33.4	14.94	6.48	4.03	7.14	9.14	33.48
UNIT D-6/8/05	6/8/2005	7:54	38511.3	7.23	4.79	7.37	11.7	24.2	15.95	7.28	4.82	7.42	11.79	24.38
UNIT D-6/9/05	6/9/2005	8:00	38512.3	7.14	4.62	7.03	12.1	20.6	16.96	18.07	11.69	17.79	30.62	52.12
STOP	6/13/2005	9:21	38516.4	8.51	5.94	13.3	13.3	23.8	21.01	17.26	12.05	26.97	26.97	48.27

Table C-1. (continued).

ID Number	Sample Date	Sample Time	Decimal Date	Actual Data					# of Days	Riemann Sums				
				CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCl ₄ (ppmv)		CHCl ₃ (ppmv*day)	1,1,1-TCA (ppmv*day)	PCE (ppmv*day)	TCE (ppmv*day)	CCl ₄ (ppmv*day)
START	6/13/2005	17:36	38516.7	8.51	5.94	13.3	13.3	23.8	0.00	2.67	1.86	4.17	4.17	7.46
UNIT D-6/14/05	6/14/2005	8:39	38517.4	8.51	5.94	13.3	13.3	23.8	0.63	6.74	4.70	10.53	10.53	18.84
UNIT D-6/15/05	6/15/2005	7:36	38518.3	8.51	5.94	13.3	13.3	23.8	1.58	8.39	5.86	13.12	13.12	23.48
UNIT D-6/16/05	6/16/2005	8:00	38519.3	8.26	5.27	11.2	12.6	21	2.60	12.84	8.19	17.41	19.59	32.65
STOP	6/18/2005	10:14	38521.4	8.26	5.27	11.2	12.6	21	4.69	8.64	5.52	11.72	13.19	21.98
START	6/20/2005	8:00	38523.3	6.11	6.21	5.88	11.50	37.50	0.00	0.47	0.47	0.45	0.88	2.86
STOP	6/20/2005	11:40	38523.5	6.11	6.21	5.88	11.50	37.50	0.15	0.47	0.47	0.45	0.88	2.86
START	6/20/2005	16:45	38523.7	6.11	6.21	5.88	11.50	37.50	0.00	2.08	2.11	2.00	3.91	12.76
UNIT D-6/21/05	6/21/2005	9:05	38524.4	5.86	5.48	5.81	10.70	33.60	0.68	5.01	4.68	4.97	9.15	28.72
UNIT D-6/22/05	6/22/2005	9:47	38525.4	5.42	4.93	5.57	9.68	30.60	1.71	5.30	4.82	5.44	9.46	29.91
UNIT D-6/23/05	6/23/2005	8:00	38526.3	5.44	4.61	5.42	9.37	28.80	2.64	13.44	11.39	13.39	23.15	71.15
UNIT D-6/27/05	6/27/2005	8:22	38530.3	12.30	10.90	8.02	17.30	40.00	6.65	30.77	27.27	20.06	43.27	100.06
UNIT D-6/28/05	6/28/2005	8:04	38531.3	11.30	9.70	7.33	16.30	35.50	7.64	11.16	9.58	7.24	16.10	35.07
UNIT D-6/29/05	6/29/2005	7:47	38532.3	12.30	10.90	8.02	17.30	40.00	8.63	16.38	14.51	10.68	23.04	53.26
UNIT D-6/30/05	6/30/2005	23:59	38534.0	11.30	9.70	7.33	16.30	35.50	10.30	9.46	8.12	6.14	13.65	29.73
									166.43	2,269	1,555	3,034	3,567	5,946
									avg/day	14	9	18	21	36
									Total days					
									(ft ³)	1,307	896	1,747	2,055	3,425
									n	1,510	1,035	2,020	2,375	3,959
									(lb)	398	304	739	688	1,342
									Total (lb)	3,471			Total Hours	3,994.42

CCl₄ = carbon tetrachloride
 CHCl₃ = chloroform
 PCE = tetrachloroethylene
 TCA = trichloroethane
 TCE = trichloroethylene

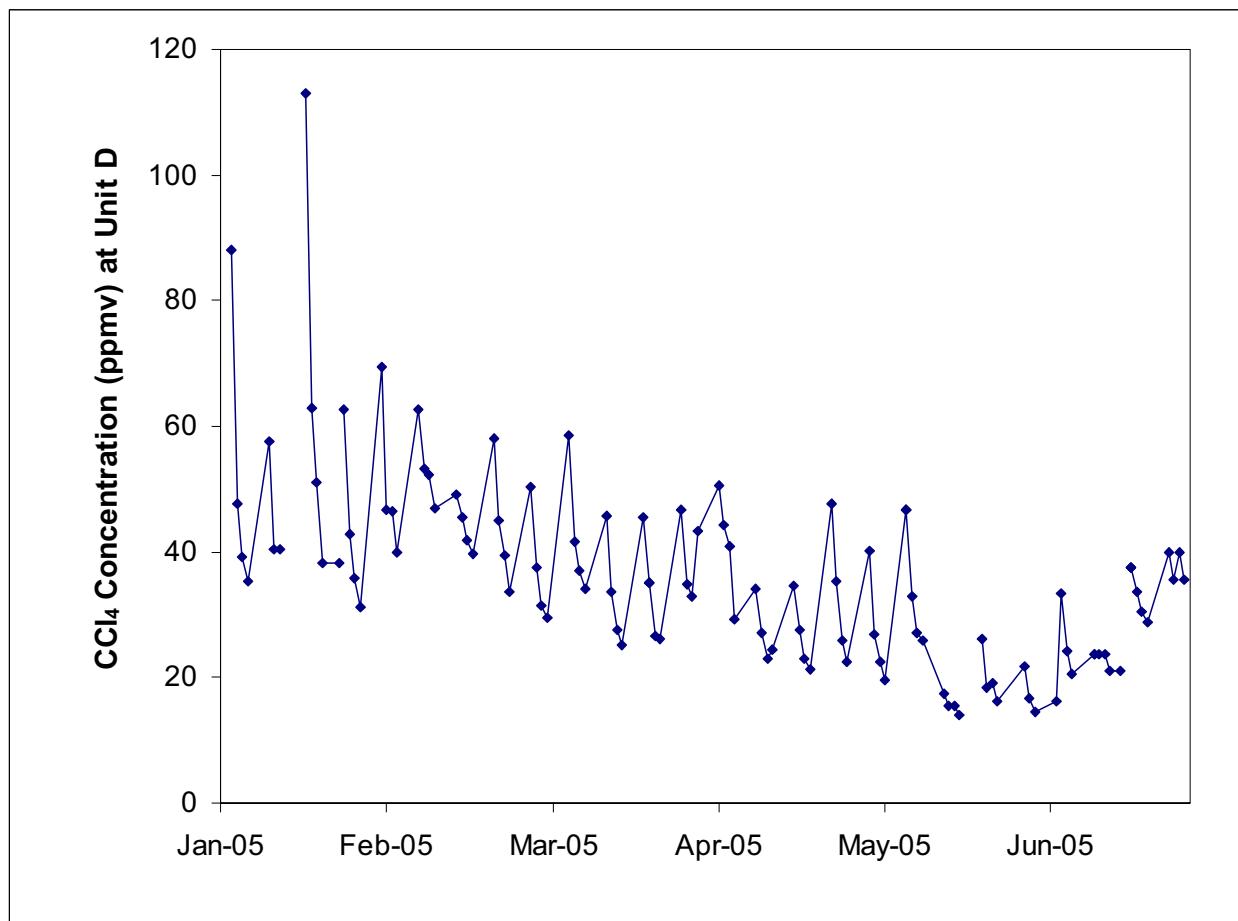


Figure C-1. Unit D midyear 2005 inlet carbon tetrachloride sample concentration.

Table C-2. Unit E midyear 2005 mass removal calculations.

ID Number	Sample Date	Sample Time	Decimal Date	Actual Data					# of Days	Riemann Sums				
				CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCl ₄ (ppmv)		CHCl ₃ (ppmv*day)	1,1,1-TCA (ppmv*day)	PCE (ppmv*day)	TCE (ppmv*day)	CCl ₄ (ppmv*day)
START	1/1/2005	0:00	38353.0	39.8	9.6	11.3	19.6	84.7	0.00	46.71	11.23	13.26	23.00	99.40
UNIT E-1/3/05	1/3/2005	8:20	38355.3	39.8	9.6	11.3	19.6	84.7	2.35	66.72	16.04	18.94	32.86	141.99
UNIT E-1/4/05	1/4/2005	8:28	38356.4	47.1	9.7	10.2	23.0	94.7	3.35	46.85	9.65	10.15	22.88	94.21
UNIT E-1/5/05	1/5/2005	8:05	38357.3	32.9	7.3	8.1	15.6	69.0	4.34	32.58	7.23	7.98	15.45	68.33
UNIT E-1/6/05	1/6/2005	8:00	38358.3	49.0	9.4	8.4	21.5	95.1	5.33	122.84	23.59	21.08	53.90	238.41
UNIT E-1/10/05	1/10/2005	8:25	38362.4	29.4	6.6	6.1	9.6	59.6	9.35	73.41	16.48	15.28	23.97	148.81
UNIT E-1/11/05	1/11/2005	7:51	38363.3	43.6	8.2	6.4	16.5	88.0	10.33	43.18	8.09	6.35	16.34	87.14
UNIT E-1/12/05	1/12/2005	7:57	38364.3	23.1	4.9	4.6	9.2	40.8	11.33	23.17	4.94	4.61	9.19	40.93
UNIT E-1/13/05	1/13/2005	8:00	38365.3	31.5	6.3	5.1	10.6	63.9	12.33	79.41	15.88	12.81	26.72	161.08
UNIT E-1/17/05	1/17/2005	8:57	38369.4	39.8	9.6	12.7	19.8	92.1	16.37	100.29	24.11	32.00	49.89	232.07
UNIT E-1/18/05	1/18/2005	8:57	38370.4	48.0	10.3	11.5	21.1	105.0	17.37	47.25	10.14	11.32	20.77	103.36
UNIT E-1/19/05	1/19/2005	8:12	38371.3	45.9	9.4	9.9	18.6	99.0	18.34	44.99	9.23	9.72	18.23	97.04
UNIT E-1/20/05	1/20/2005	8:00	38372.3	48.9	9.2	9.2	20.3	96.8	19.33	102.21	19.21	19.23	42.43	202.34
STOP	1/23/2005	12:32	38375.5	48.9	9.2	9.2	20.3	96.8	22.52	77.97	14.65	14.67	32.37	154.34
START	1/24/2005	9:24	38376.4	57.9	13.4	13.7	24.7	135.0	0.00	27.20	6.30	6.44	11.60	63.42
UNIT E-1/25/05	1/25/2005	7:57	38377.3	41.5	9.0	10.2	17.2	90.6	0.94	40.77	8.88	10.02	16.90	89.00
UNIT E-1/26/05	1/26/2005	8:33	38378.4	54.1	10.8	10.5	24.0	115.0	1.96	54.16	10.81	10.51	24.02	115.12
UNIT E-1/27/05	1/27/2005	8:00	38379.3	34.6	7.0	8.3	16.2	63.6	2.94	85.97	17.47	20.67	40.25	158.03
UNIT E-1/31/05	1/31/2005	7:49	38383.3	16.4	6.0	12.6	13.0	30.3	6.93	40.99	15.05	31.49	32.49	75.73
UNIT E-2/1/05	2/1/2005	7:58	38384.3	19.5	6.3	11.4	12.3	38.3	7.94	19.45	6.27	11.37	12.27	38.19
UNIT E-2/2/05	2/2/2005	7:41	38385.3	27.5	7.0	10.0	12.3	54.1	8.93	27.52	7.02	10.01	12.31	54.14
UNIT E-2/3/05	2/3/2005	8:00	38386.3	35.1	7.8	9.2	14.2	74.0	9.94	87.74	19.47	23.02	35.50	184.97
UNIT E-2/7/05	2/7/2005	7:40	38390.3	23.1	7.0	12.2	15.1	50.4	13.93	57.65	17.34	30.44	37.68	125.77
UNIT E-2/8/05	2/8/2005	7:47	38391.3	26.3	6.7	10.2	13.1	64.4	14.93	26.61	6.78	10.32	13.25	65.16
UNIT E-2/9/05	2/9/2005	8:14	38392.3	25.9	6.3	9.1	12.5	66.7	15.95	26.02	6.35	9.11	12.56	67.00
UNIT E-2/10/05	2/10/2005	8:00	38393.3	37.4	7.8	8.5	14.5	92.5	16.94	93.66	19.41	21.19	36.31	231.64
UNIT E-2/14/05	2/14/2005	8:26	38397.4	21.2	6.2	10.6	14.0	41.0	20.96	53.14	15.57	26.57	35.09	102.77
UNIT E-2/15/05	2/15/2005	8:19	38398.3	14.5	4.8	8.6	10.3	30.0	21.95	14.58	4.85	8.68	10.35	30.16

Table C-2. (continued).

ID Number	Sample Date	Sample Time	Decimal Date	Actual Data					# of Days	Riemann Sums				
				CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCl ₄ (ppmv)		CHCl ₃ (ppmv*day)	1,1,1-TCA (ppmv*day)	PCE (ppmv*day)	TCE (ppmv*day)	CCl ₄ (ppmv*day)
UNIT E-2/16/05	2/16/2005	8:41	38399.4	25.2	6.0	7.8	11.2	58.2	22.97	25.03	6.00	7.79	11.13	57.82
UNIT E-2/17/05	2/17/2005	8:00	38400.3	65.1	12.1	9.9	23.8	147.0	23.94	161.94	30.10	24.58	59.20	365.66
UNIT E-2/21/05	2/21/2005	8:05	38404.3	37.1	9.3	12.7	19.2	78.3	27.95	93.51	23.54	32.01	48.39	197.35
UNIT E-2/22/05	2/22/2005	8:59	38405.4	43.1	10.0	11.8	19.5	96.6	28.98	43.85	10.12	12.00	19.84	98.28
UNIT E-2/23/05	2/23/2005	8:55	38406.4	46.0	9.9	10.8	20.2	104.0	29.98	45.06	9.66	10.58	19.79	101.87
UNIT E-2/24/05	2/24/2005	8:00	38407.3	45.4	9.3	10.3	20.9	98.4	30.94	112.63	23.00	25.55	51.85	244.12
UNIT E-2/28/05	2/28/2005	8:00	38411.3	35.60	9.46	13.10	19.30	79.30	34.94	89.80	23.86	33.05	48.69	200.04
STOP	3/1/2005	9:05	38412.4	30.60	7.74	10.90	15.90	64.30	35.99	15.99	4.04	5.70	8.31	33.60
START	4/14/2005	11:30	38456.5	11.8	5.44	10.60	11.10	22.6	0.00	22.90	10.56	20.57	21.54	43.85
UNIT E-4/18/05	4/18/2005	8:38	38460.4	11.8	5.44	10.60	11.10	22.6	3.88	28.70	13.23	25.78	27.00	54.97
UNIT E-4/19/05	4/19/2005	8:15	38461.3	12.9	4.91	8.81	9.86	24.1	4.86	12.81	4.88	8.75	9.79	23.93
UNIT E-4/20/05	4/20/2005	8:18	38462.3	11.7	4.44	7.79	9.45	21.1	5.87	11.64	4.42	7.75	9.40	20.99
UNIT E-4/21/05	4/21/2005	8:00	38463.3	11.6	4.42	7.73	9.04	20.8	6.85	29.00	11.05	19.33	22.60	52.00
UNIT E-4/25/05	4/25/2005	8:18	38467.3	10.1	4.46	10.40	10.20	19.9	10.87	26.48	11.69	27.27	26.74	52.18
STOP	4/26/2005	13:51	38468.6	8.9	3.88	8.74	8.53	16.2	12.10	5.49	2.39	5.38	5.25	9.97
START	4/26/2005	16:04	38468.7	8.9	3.88	8.74	8.53	16.2	0.00	3.04	1.32	2.97	2.90	5.51
UNIT E-4/27/05	4/27/2005	8:24	38469.4	11.7	3.86	7.53	8.69	21.6	0.68	9.73	3.21	6.26	7.23	17.97
UNIT E-4/28/05	4/28/2005	8:00	38470.3	11.6	3.54	6.69	8.32	21.1	1.66	30.76	9.39	17.74	22.06	55.94
UNIT E-5/2/05	5/2/2005	15:40	38474.7	12.5	4.66	9.54	9.56	23.3	5.98	31.18	11.62	23.79	23.84	58.11
UNIT E-5/3/05	5/3/2005	7:43	38475.3	9.5	3.85	8.23	7.80	16.7	6.65	7.93	3.22	6.87	6.51	13.95
UNIT E-5/4/05	5/4/2005	7:45	38476.3	8.0	3.38	7.03	6.97	13.3	7.65	8.06	3.40	7.07	7.01	13.38
UNIT E-5/5/05	5/5/2005	8:00	38477.3	9.0	3.31	6.38	6.94	14.5	8.66	23.70	8.77	16.90	18.38	38.40
STOP	5/9/2005	14:52	38481.6	10.5	4.3	10.5	10.5	22.7	12.95	22.50	9.22	22.50	22.50	48.65
START	5/9/2005	15:37	38481.7	10.5	4.3	10.5	10.5	22.7	0.00	3.61	1.48	3.61	3.61	7.80
UNIT E-5/10/05	5/10/2005	8:06	38482.3	8.44	3.74	9.18	8.64	17.7	0.69	7.13	3.16	7.75	7.30	14.95
UNIT E-5/11/05	5/11/2005	8:09	38483.3	8.58	3.42	8.15	8.19	17.3	1.69	8.56	3.41	8.13	8.17	17.26
UNIT E-5/12/05	5/12/2005	8:00	38484.3	7.5	2.93	7.07	7.16	13.7	2.68	18.82	7.35	17.74	17.96	34.37
UNIT E-5/16/05	5/16/2005	8:35	38488.4	12.9	4.43	10.1	11.6	23.9	6.71	32.26	11.08	25.26	29.01	59.77

Table C-2. (continued).

ID Number	Sample Date	Sample Time	Decimal Date	Actual Data					# of Days	Riemann Sums				
				CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCl ₄ (ppmv)		CHCl ₃ (ppmv*day)	1,1,1-TCA (ppmv*day)	PCE (ppmv*day)	TCE (ppmv*day)	CCl ₄ (ppmv*day)
UNIT E-5/17/05	5/17/2005	8:03	38489.3	9.41	3.44	8.15	9.07	14.8	7.68	9.28	3.39	8.04	8.94	14.59
UNIT E-5/18/05	5/18/2005	7:55	38490.3	7.65	2.67	6.82	7.12	9.98	8.68	8.90	3.11	7.94	8.29	11.62
STOP	5/19/2005	15:55	38491.7	7.22	2.53	6.29	6.46	9.2	10.01	4.81	1.69	4.19	4.31	6.13
START	5/23/2005	9:39	38495.4	10.1	5.07	10.5	11.3	18.2	0.00	4.65	2.34	4.84	5.21	8.39
UNIT E-5/24/05	5/24/2005	7:46	38496.3	8.48	4.22	9.21	9.28	12.2	0.92	8.17	4.07	8.88	8.94	11.76
UNIT E-5/25/05	5/25/2005	7:55	38497.3	7.6	3.76	8.25	8.3	10.1	1.93	7.64	3.78	8.29	8.34	10.15
UNIT E-5/26/05	5/26/2005	8:00	38498.3	7.41	3.38	7.13	7.64	9.87	2.93	22.28	10.16	21.44	22.98	29.68
UNIT E-5/31/05	5/31/2005	8:16	38503.3	9.1	5.32	13.2	11.7	11.3	7.94	27.30	15.96	39.60	35.10	33.90
UNIT E-6/1/05	6/1/2005	8:00	38504.3	8.25	4.18	10.7	9.5	9.76	8.93	8.20	4.16	10.64	9.45	9.71
UNIT E-6/2/05	6/2/2005	8:00	38505.3	7.76	3.9	9.73	8.78	9.35	9.93	19.39	9.74	24.31	21.94	23.36
UNIT E-6/6/05	6/6/2005	7:56	38509.3	6.07	2.74	5.24	6.44	14.4	13.93	15.06	6.80	13.00	15.98	35.72
UNIT E-6/7/05	6/7/2005	7:05	38510.3	6.01	2.6	4.73	5.72	12.8	14.89	6.03	2.61	4.74	5.74	12.84
UNIT E-6/8/05	6/8/2005	8:05	38511.3	5.28	2.31	4.14	4.94	10.6	15.93	5.46	2.39	4.28	5.11	10.96
STOP	6/9/2005	8:42	38512.4	5.84	2.37	4.15	5.15	11.9	16.96	3.00	1.22	2.13	2.64	6.10
START	6/9/2005	15:09	38512.6	5.84	2.37	4.15	5.15	11.9	0.00	10.83	4.39	7.69	9.55	22.06
UNIT E-6/13/05	6/13/2005	8:08	38516.3	6.18	3.66	8.74	7.64	14.5	3.71	15.28	9.05	21.60	18.89	35.84
UNIT E-6/14/05	6/14/2005	13:48	38517.6	9.15	3.51	7.45	7.33	18.9	4.94	5.66	2.17	4.60	4.53	11.68
UNIT E-6/14/05	6/14/2005	16:00	38517.7	9.15	3.51	7.45	7.33	18.9	0.00	3.00	1.15	2.44	2.41	6.20
UNIT E-6/15/05	6/15/2005	7:45	38518.3	8.07	3.16	6.71	6.87	16.2	0.66	6.73	2.63	5.59	5.73	13.50
UNIT E-6/16/05	6/16/2005	8:00	38519.3	9.14	3.02	6.07	6.74	16.5	1.67	14.18	4.69	9.42	10.46	25.60
STOP	6/18/2005	10:14	38521.4	9.14	3.02	6.07	6.74	16.5	3.76	9.57	3.16	6.35	7.05	17.27
START	6/20/2005	8:30	38523.4	4.03	3.67	4.69	6.83	24.30	0.00	2.05	1.86	2.38	3.47	12.34
UNIT E-6/21/05	6/21/2005	8:53	38524.4	4.42	3.52	4.54	6.44	24.20	1.02	4.55	3.62	4.67	6.63	24.91
UNIT E-6/22/05	6/22/2005	9:55	38525.4	5.65	3.33	4.33	6.07	25.00	2.06	5.55	3.27	4.25	5.96	24.54
UNIT E-6/23/05	6/23/2005	8:00	38526.3	4.90	3.10	4.06	5.77	22.20	2.98	12.11	7.66	10.03	14.26	54.85
UNIT E-6/27/05	6/27/2005	8:31	38530.4	10.30	7.58	6.23	12.70	31.00	7.00	25.80	18.98	15.60	31.81	77.64
UNIT E-6/28/05	6/28/2005	8:13	38531.3	9.58	6.84	5.73	11.30	27.70	7.99	9.46	6.75	5.66	11.15	27.34

Table C-2. (continued).

ID Number	Sample Date	Sample Time	Decimal Date	Actual Data					# of Days	Riemann Sums				
				CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCl ₄ (ppmv)		CHCl ₃ (ppmv*day)	1,1,1-TCA (ppmv*day)	PCE (ppmv*day)	TCE (ppmv*day)	CCl ₄ (ppmv*day)
UNIT E-6/29/05	6/29/2005	7:54	38532.3	7.41	5.83	5.25	9.92	22.30	8.98	9.84	7.74	6.97	13.18	29.62
UNIT E-6/30/05	6/30/2005	23:59	38534.0	7.56	5.41	4.85	9.29	22.30	10.65	6.31	4.52	4.05	7.76	18.62
									129.88	2,786	770	1,134	1,600	5,840
									avg/day	21	6	9	12	45
									Total days					
									(ft ³)	1,605	444	653	922	3,364
									n	1,855	513	755	1,066	3,888
									(lb)	488	151	276	309	1,319
									Total (lb)	2,542		Total Hours	3,117.08	

CCl₄ = carbon tetrachlorideCHCl₃ = chloroform

PCE = tetrachloroethylene

TCA = trichloroethane

TCE = trichloroethylene

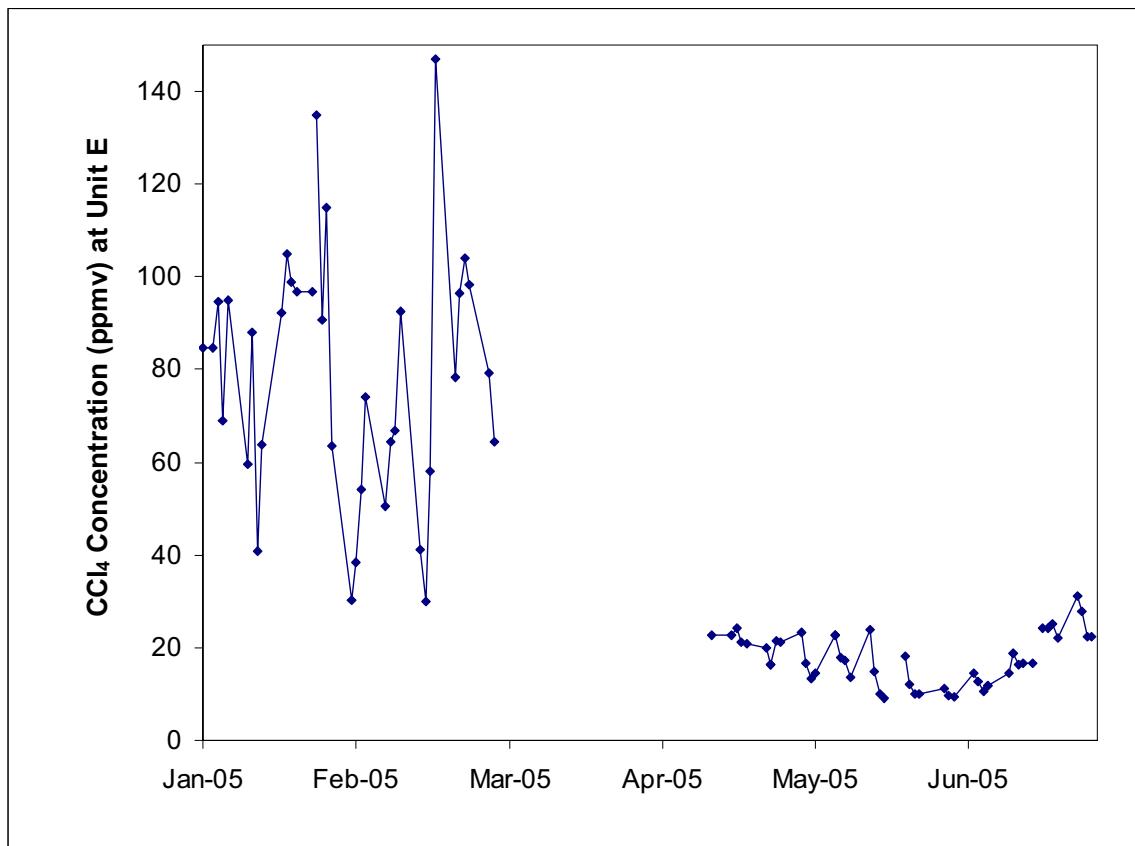


Figure C-2. Unit E midyear 2005 inlet carbon tetrachloride sample concentration.

Table C-3. Unit F midyear 2005 mass removal calculations.

ID Number	Sample Date	Sample Time	Decimal Date	Actual Data						Riemann Sums				
				CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCl ₄ (ppmv)	# of Days	CHCl ₃ (ppmv*day)	1,1,1-TCA (ppmv*day)	PCE (ppmv*day)	TCE (ppmv*day)	CCl ₄ (ppmv*day)
START	1/1/2005	0:00	38353.0	42.5	11.9	10.9	29.1	106.0	0.00	50.03	14.01	12.83	34.25	124.77
UNIT F-1/3/05	1/3/2005	8:30	38355.4	42.5	11.9	10.9	29.1	106.0	2.35	71.39	19.99	18.31	48.88	178.07
UNIT F-1/4/05	1/4/2005	8:38	38356.4	32.5	10.3	10.3	24.7	74.3	3.36	32.36	10.26	10.26	24.60	73.99
UNIT F-1/5/05	1/5/2005	8:18	38357.3	39.3	11.2	10.1	29.0	101.0	4.35	38.78	11.05	9.97	28.62	99.67
UNIT F-1/6/05	1/6/2005	8:00	38358.3	31.9	9.7	9.8	24.6	74.2	5.33	79.71	24.34	24.46	61.47	185.40
UNIT F-1/10/05	1/10/2005	8:14	38362.3	39.5	10.6	8.4	23.3	99.7	9.34	98.75	26.50	21.03	58.25	249.25
UNIT F-1/11/05	1/11/2005	8:00	38363.3	28.3	8.7	7.8	18.9	63.8	10.33	28.21	8.71	7.76	18.84	63.60
UNIT F-1/12/05	1/12/2005	8:05	38364.3	38.7	10.5	8.1	24.3	98.7	11.34	38.70	10.50	8.09	24.30	98.70
UNIT F-1/13/05	1/13/2005	8:00	38365.3	49.8	13.2	10.8	30.6	126.0	12.33	125.47	33.26	27.21	77.10	317.45
UNIT F-1/17/05	1/17/2005	9:01	38369.4	52.3	14.8	13.6	32.1	136.0	16.38	130.84	37.03	34.02	80.31	340.24
UNIT F-1/18/05	1/18/2005	8:05	38370.3	39.8	12.3	12.3	26.4	97.0	17.34	39.21	12.12	12.12	26.01	95.55
UNIT F-1/19/05	1/19/2005	8:18	38371.3	43.0	12.6	12.5	28.7	104.0	18.35	42.93	12.58	12.48	28.65	103.82
UNIT F-1/20/05	1/20/2005	8:00	38372.3	35.6	11.5	12.1	26.7	85.9	19.33	74.34	24.01	25.27	55.75	179.38
STOP	1/23/2005	12:32	38375.5	35.6	11.5	12.1	26.7	85.9	22.52	56.76	18.34	19.29	42.57	136.96
START	1/24/2005	9:40	38376.4	29.5	10.1	11.0	21.1	69.3	0.00	17.20	5.89	6.41	12.30	40.40
STOP	1/25/2005	13:39	38377.6	29.1	10.0	10.8	22.4	73.6	1.17	16.96	5.83	6.30	13.06	42.91
									23.69	942	274	256	635	2,330
									avg/day	40	12	11	27	98
									(ft ³)	407	119	111	274	1,007
									n	470	137	128	317	1,164
									(lb)	124	40	47	92	395
START	1,26/2005	8:46	38378.4	30.3	10.6	11.4	24.2	74.7	0.00	14.67	5.13	5.52	11.71	36.16
UNIT F-1/27/05	1/27/2005	8:00	38379.3	31.3	10.4	11.0	26.6	81.9	0.97	77.83	25.86	27.35	66.14	203.64
UNIT F-1/31/05	1/31/2005	8:07	38383.3	56.4	14.6	13.3	27.8	140.0	4.97	141.20	36.55	33.30	69.60	350.49
UNIT F-2/1/05	2/1/2005	8:10	38384.3	51.6	13.4	12.6	27.7	127.0	5.98	50.97	13.24	12.45	27.36	125.46

Table C-3. (continued).

ID Number	Sample Date	Sample Time	Decimal Date	Actual Data						Riemann Sums				
				CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCl ₄ (ppmv)	# of Days	CHCl ₃ (ppmv*day)	1,1,1-TCA (ppmv*day)	PCE (ppmv*day)	TCE (ppmv*day)	CCl ₄ (ppmv*day)
UNIT F-2/05	2/2/2005	7:32	38385.3	41.1	11.7	12.1	25.4	101.0	6.95	40.96	11.66	12.06	25.31	100.65
UNIT F-2/3/05	2/3/2005	8:00	38386.3	41.4	12.0	12.1	26.9	101.0	7.97	103.87	30.11	30.36	67.49	253.41
UNIT F-2/7/05	2/7/2005	7:58	38390.3	25.6	8.5	10.1	19.7	69.4	11.97	63.96	21.26	25.23	49.22	173.38
UNIT F-2/8/05	2/8/2005	7:55	38391.3	35.5	10.3	10.7	22.9	97.6	12.96	35.81	10.39	10.79	23.10	98.45
UNIT F-2/9/05	2/9/2005	8:23	38392.3	46.0	12.3	11.5	28.5	131.0	13.98	46.08	12.32	11.52	28.55	131.23
UNIT F-2/10/05	2/10/2005	8:00	38393.3	38.7	10.8	11.0	25.7	103.0	14.97	96.90	27.04	27.54	64.35	257.89
UNIT F-2/14/05	2/14/2005	8:34	38397.4	28.5	8.7	9.4	20.2	73.0	18.99	71.53	21.78	23.64	50.70	183.21
UNIT F-2/15/05	2/15/2005	8:28	38398.4	40.9	10.6	9.7	23.3	109.0	19.99	43.44	11.26	10.32	24.75	115.77
STOP	2/16/2005	11:33	38399.5	39.8	11.0	10.5	24.6	106.0	21.12	22.46	6.21	5.92	13.88	59.81
START	2/22/2005	16:35	38405.7	39.8	11.0	10.5	24.6	106.0	0.00	4.86	1.34	1.28	3.01	12.96
STOP	2/22/2005	22:27	38405.9	39.8	11.0	10.5	24.6	106.0	0.24	4.86	1.34	1.28	3.01	12.96
START	2/28/2005	18:08	38411.8	20.60	8.77	11.50	18.00	49.50	0.00	5.95	2.53	3.32	5.20	14.30
UNIT F-3/1/05	3/1/2005	8:00	38412.3	20.60	8.77	11.50	18.00	49.50	0.58	16.25	6.92	9.07	14.20	39.05
UNIT F-3/2/05	3/2/2005	8:00	38413.3	21.50	8.00	10.60	18.00	55.60	1.58	21.50	8.00	10.60	18.00	55.60
UNIT F-3/3/05	3/3/2005	8:00	38414.3	26.20	8.55	10.30	20.30	67.50	2.58	65.88	21.50	25.90	51.05	169.73
UNIT F-3/7/05	3/7/2005	8:42	38418.4	27.00	9.71	14.50	21.90	70.90	6.61	67.78	24.38	36.40	54.98	177.99
UNIT F-3/8/05	3/8/2005	8:30	38419.4	27.40	9.01	12.80	20.80	72.10	7.60	26.78	8.81	12.51	20.33	70.47
UNIT F-3/9/05	3/9/2005	7:37	38420.3	29.90	8.82	11.90	21.00	77.00	8.56	29.59	8.73	11.78	20.78	76.20
UNIT F-3/10/05	3/10/2005	8:00	38421.3	30.70	9.00	11.70	22.00	77.90	9.58	77.42	22.70	29.51	55.48	196.45
UNIT F-3/14/05	3/14/2005	8:40	38425.4	29.10	9.08	12.50	20.60	73.00	13.61	72.54	22.63	31.16	51.35	181.97
UNIT F-3/15/05	3/15/2005	7:39	38426.3	25.50	8.48	11.50	20.20	65.10	14.56	24.95	8.30	11.25	19.77	63.70
UNIT F-3/16/05	3/16/2005	7:38	38427.3	24.90	7.77	10.40	19.90	64.20	15.56	25.08	7.83	10.48	20.05	64.67
UNIT F-3/17/05	3/17/2005	8:00	38428.3	22.20	7.52	9.95	20.70	59.50	16.58	55.53	18.81	24.89	51.78	148.83
UNIT F-3/21/05	3/21/2005	7:42	38432.3	26.70	7.75	11.50	18.70	60.30	20.57	68.29	19.82	29.41	47.83	154.23
STOP	3/22/2005	10:46	38433.4	25.00	7.52	10.80	18.40	57.00	21.69	14.10	4.24	6.09	10.38	32.14
START	3/22/2005	11:30	38433.5	25.00	7.52	10.80	18.40	57.00	0.00	10.98	3.30	4.74	8.08	25.04
UNIT F-3/23/05	3/23/2005	8:35	38434.4	21.30	7.27	10.20	18.80	51.00	0.88	19.75	6.74	9.46	17.43	47.28
UNIT F-3/24/05	3/24/2005	8:00	38435.3	30.30	7.79	9.38	21.30	71.90	1.85	75.68	19.46	23.43	53.20	179.58

Table C-3. (continued).

ID Number	Sample Date	Sample Time	Decimal Date	Actual Data						Riemann Sums				
				CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCl ₄ (ppmv)	# of Days	CHCl ₃ (ppmv*day)	1,1,1-TCA (ppmv*day)	PCE (ppmv*day)	TCE (ppmv*day)	CCl ₄ (ppmv*day)
UNIT F-3/28/05	3/28/2005	8:28	38439.4	21.70	8.58	14.10	21.30	54.10	5.87	54.36	21.49	35.32	53.35	135.51
UNIT F-3/29/05	3/29/2005	8:14	38440.3	26.20	8.52	12.50	21.20	66.30	6.86	25.91	8.43	12.36	20.96	65.56
UNIT F-3/30/05	3/30/2005	7:56	38441.3	31.10	7.94	10.50	21.20	71.60	7.85	30.95	7.90	10.45	21.10	71.25
UNIT F-3/31/05	3/31/2005	8:00	38442.3	42.90	9.38	10.40	24.70	107.00	8.85	107.61	23.53	26.09	61.96	268.39
UNIT F-4/4/05	4/4/2005	8:20	38446.3	26.30	9.42	14.10	23.40	70.80	12.87	65.87	23.59	35.31	58.61	177.32
UNIT F-4/5/05	4/5/2005	8:13	38447.3	31.90	8.25	11.60	21.50	76.40	13.86	31.76	8.21	11.55	21.40	76.06
UNIT F-4/6/05	4/6/2005	8:07	38448.3	34.40	8.37	10.90	22.20	81.10	14.86	34.24	8.33	10.85	22.10	80.73
UNIT F-4/7/05	4/7/2005	8:00	38449.3	27.00	7.71	10.50	21.10	63.20	15.85	67.80	19.36	26.37	52.98	158.70
UNIT F-4/11/05	4/11/2005	8:39	38453.4	27.50	8.16	10.80	19.40	59.70	19.88	68.92	20.45	27.07	48.62	149.62
UNIT F-4/12/05	4/12/2005	8:18	38454.3	25.10	7.65	9.73	18.20	55.60	20.87	24.90	7.59	9.65	18.05	55.16
UNIT F-4/13/05	4/13/2005	8:16	38455.3	22.20	6.81	8.81	17.00	50.30	21.87	22.06	6.77	8.75	16.89	49.99
UNIT F-4/14/05	4/14/2005	8:00	38456.3	27.20	6.81	8.29	18.50	56.80	22.85	68.31	17.10	20.82	46.46	142.65
UNIT F-4/18/05	4/18/2005	8:49	38460.4	19.80	6.93	8.64	15.40	45.30	26.89	49.67	17.39	21.67	38.63	113.64
UNIT F-4/19/05	4/19/2005	8:25	38461.4	19.90	6.73	8.47	16.20	44.30	27.87	19.73	6.67	8.40	16.07	43.93
UNIT F-4/20/05	4/20/2005	8:25	38462.4	19.40	6.50	8.05	17.00	44.90	28.87	19.23	6.44	7.98	16.85	44.51
UNIT F-4/21/05	4/21/2005	8:00	38463.3	24.40	6.35	7.32	16.80	53.60	29.85	60.96	15.86	18.29	41.97	133.91
UNIT F-4/25/05	4/25/2005	8:20	38467.3	20.40	6.21	8.04	15.50	46.10	33.87	53.49	16.28	21.08	40.64	120.87
STOP	4/26/2005	13:51	38468.6	21.80	5.89	7.66	15.50	45.30	35.10	13.41	3.62	4.71	9.53	27.86
START	4/26/2005	15:55	38468.7	21.80	5.89	7.66	15.50	45.30	0.00	7.74	2.09	2.72	5.51	16.09
UNIT F-4/27/05	4/27/2005	8:58	38469.4	18.00	5.76	7.62	15.20	39.60	0.71	15.03	4.81	6.36	12.69	33.07
UNIT F-4/28/05	4/28/2005	8:00	38470.3	16.10	5.01	6.98	14.10	35.10	1.67	42.54	13.24	18.44	37.25	92.73
UNIT F-5/2/05	5/2/2005	15:47	38474.7	15.40	5.45	7.51	11.60	32.00	5.99	38.40	13.59	18.73	28.93	79.80
UNIT F-5/3/05	5/3/2005	7:42	38475.3	16.20	5.43	7.17	12.50	34.70	6.66	13.54	4.54	5.99	10.45	29.00
UNIT F-5/4/05	5/4/2005	7:54	38476.3	18.00	5.49	6.96	13.50	39.40	7.67	18.11	5.52	7.00	13.58	39.65
UNIT F-5/5/05	5/5/2005	8:00	38477.3	16.80	5.21	6.80	13.70	36.10	8.67	44.44	13.78	17.99	36.24	95.49
STOP	5/9/2005	14:52	38481.6	14.3	4.49	5.44	11.6	32.5	12.96	30.65	9.62	11.66	24.86	69.65
START	5/9/2005	15:26	38481.6	14.3	4.49	5.44	11.6	32.5	0.00	5.13	1.61	1.95	4.16	11.66
UNIT F-5/10/05	5/10/2005	8:39	38482.4	14.3	4.49	5.44	11.6	32.5	0.72	12.29	3.86	4.68	9.97	27.94
UNIT F-5/11/05	5/11/2005	8:42	38483.4	13.6	4.32	5.36	10.3	30.8	1.72	13.42	4.26	5.29	10.16	30.38

Table C-3. (continued).

ID Number	Sample Date	Sample Time	Decimal Date	Actual Data						Riemann Sums				
				CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCl ₄ (ppmv)	# of Days	CHCl ₃ (ppmv*day)	1,1,1-TCA (ppmv*day)	PCE (ppmv*day)	TCE (ppmv*day)	CCl ₄ (ppmv*day)
UNIT F-5/12/05	5/12/2005	8:00	38484.3	17	4.5	5.3	12.5	35.2	2.69	42.49	11.25	13.25	31.24	87.98
UNIT F-5/16/05	5/16/2005	8:40	38488.4	14.7	5.09	7.49	13.3	32.8	6.72	36.80	12.74	18.75	33.30	82.11
UNIT F-5/17/05	5/17/2005	8:10	38489.3	15.8	5.1	7.21	14.3	37.8	7.70	15.61	5.04	7.12	14.13	37.34
UNIT F-5/18/05	5/18/2005	8:05	38490.3	15.8	4.49	6.53	13.3	32.5	8.69	18.38	5.22	7.60	15.48	37.82
STOP	5/19/2005	16:01	38491.7	16.4	4.42	6.22	13.5	32.7	10.02	10.91	2.94	4.14	8.98	21.75
START	5/23/2005	9:37	38495.4	16.8	5.63	8.03	13.1	33.2	0.00	7.81	2.62	3.73	6.09	15.42
UNIT F-5/24/05	5/24/2005	7:55	38496.3	16.8	5.49	7.57	13.6	35.4	0.93	16.26	5.31	7.33	13.16	34.26
UNIT F-5/25/05	5/25/2005	8:04	38497.3	16.5	4.91	6.82	12.4	30.5	1.94	16.53	4.92	6.83	12.42	30.55
UNIT F-5/26/05	5/26/2005	8:00	38498.3	18.2	5.32	6.92	13.7	35.3	2.93	54.71	15.99	20.80	41.18	106.11
UNIT F-5/31/05	5/31/2005	8:21	38503.3	16.5	6.03	10.4	14.7	30.9	7.95	49.57	18.12	31.24	44.16	92.83
UNIT F-6/1/05	6/1/2005	8:12	38504.3	14.5	5.51	9.31	14.1	29.9	8.94	14.39	5.47	9.24	14.00	29.68
UNIT F-6/2/05	6/2/2005	8:00	38505.3	14.2	4.85	8.42	13	27.1	9.93	35.47	12.11	21.03	32.47	67.69
UNIT F-6/6/05	6/6/2005	8:06	38509.3	11.6	4.08	4.73	9.48	26.1	13.94	29.00	10.20	11.83	23.70	65.25
UNIT F-6/7/05	6/7/2005	8:00	38510.3	12.5	4.1	4.68	10	27.4	14.93	12.54	4.11	4.69	10.03	27.49
UNIT F-6/8/05	6/8/2005	8:15	38511.3	12.7	3.94	4.65	9.67	26.5	15.94	12.70	3.94	4.65	9.67	26.50
UNIT F-6/9/05	6/9/2005	8:00	38512.3	14	4.26	4.85	10.8	29.5	16.93	35.01	10.65	12.13	27.01	73.78
UNIT F-6/13/05	6/13/2005	8:18	38516.3	15.6	4.83	6.78	10.9	32.9	20.95	39.33	12.18	17.09	27.48	82.95
UNIT F-6/14/05	6/14/2005	9:01	38517.4	14.2	4.9	6.61	10.8	30.6	21.98	14.08	4.86	6.55	10.71	30.35
UNIT F-6/15/05	6/15/2005	7:54	38518.3	11.9	4.42	6.11	10.1	26.9	22.93	11.71	4.35	6.01	9.94	26.46
STOP	6/16/2005	8:14	38519.3	12.6	4.37	6.03	10.7	27.8	23.94	6.39	2.22	3.06	5.42	14.09
START	6/16/2005	15:53	38519.7	12.6	4.37	6.03	10.7	27.8	0.00	11.12	3.86	5.32	9.44	24.53
STOP	6/18/2005	10:14	38521.4	12.6	4.37	6.03	10.7	27.8	1.76	11.12	3.86	5.32	9.44	24.53
START	6/20/2005	9:20	38523.4	11.60	4.48	4.43	8.58	36.20	0.00	5.66	2.19	2.16	4.19	17.67
UNIT F-6/21/05	6/21/2005	8:46	38524.4	10.40	4.41	4.35	8.62	35.00	0.98	10.56	4.48	4.42	8.75	35.55
UNIT F-6/22/05	6/22/2005	10:05	38525.4	9.17	4.12	4.02	8.25	32.00	2.03	9.02	4.05	3.96	8.12	31.49
UNIT F-6/23/05	6/23/2005	8:00	38526.3	9.83	4.24	4.06	8.87	33.30	2.94	24.28	10.47	10.03	21.91	82.24
UNIT F-6/27/05	6/27/2005	8:38	38530.4	10.90	6.18	5.03	11.10	30.40	6.97	27.32	15.49	12.61	27.82	76.20
UNIT F-6/28/05	6/28/2005	8:19	38531.3	10.10	5.73	4.72	10.60	29.20	7.96	9.98	5.66	4.66	10.47	28.85

Table C-3. (continued).

ID Number	Sample Date	Sample Time	Decimal Date	Actual Data						Riemann Sums				
				CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCl ₄ (ppmv)	# of Days	CHCl ₃ (ppmv*day)	1,1,1-TCA (ppmv*day)	PCE (ppmv*day)	TCE (ppmv*day)	CCl ₄ (ppmv*day)
UNIT F-6/29/05	6/29/2005	8:03	38532.3	12.10	5.86	4.72	11.20	33.80	8.95	16.05	7.77	6.26	14.86	44.83
UNIT F-6/30/05	6/30/2005	23:59	38534.0	11.70	5.54	4.60	11.00	32.50	10.61	9.73	4.61	3.83	9.15	27.04
									137.45	3,172	983	1,222	2,363	7,637
									avg/day	23	7	9	17	56
									(ft ³)	1,827	566	704	1,361	4,399
									n	2,112	654	813	1,573	5,085
									(lb)	556	192	297	456	1,724
									Total (lb)	3,923				2,119
												Total Hours	3,867.30	

CCl₄ = carbon tetrachloride
 CHCl₃ = chloroform
 PCE = tetrachloroethylene
 TCA = trichloroethane
 TCE = trichloroethylene

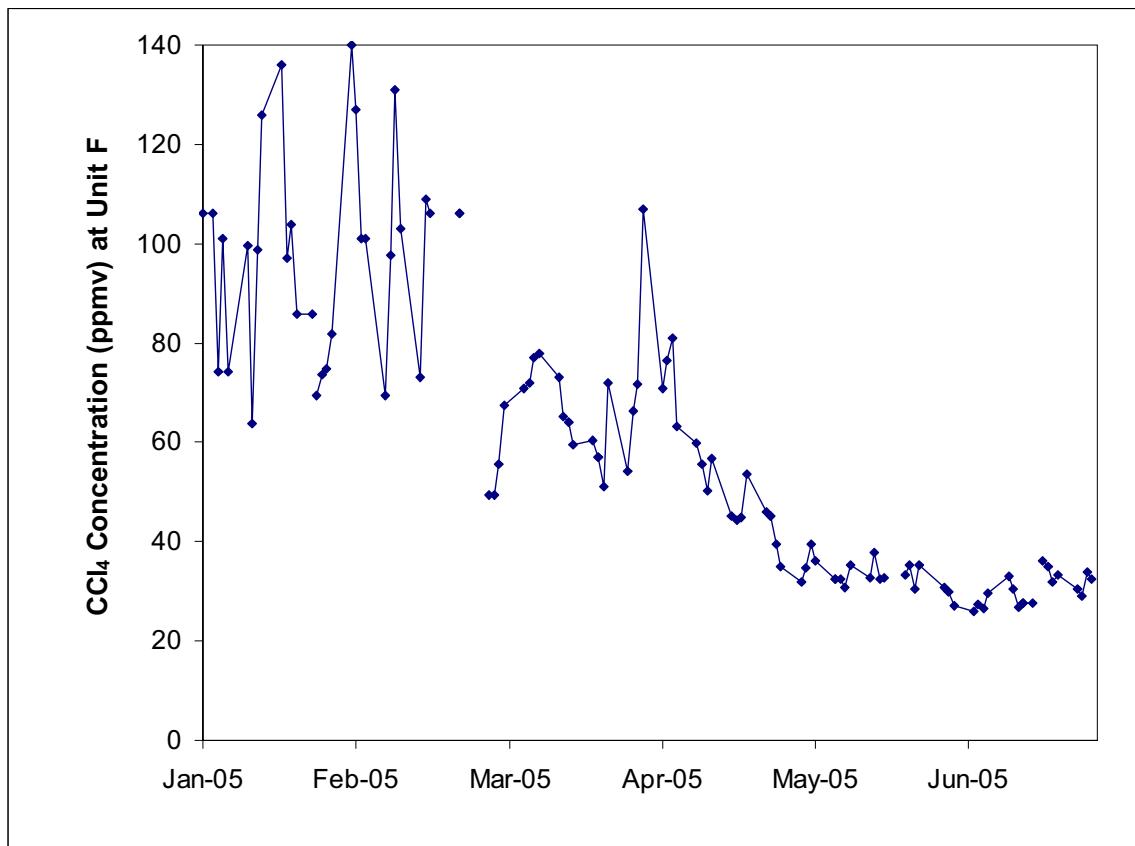


Figure C-3. Unit F midyear 2005 inlet carbon tetrachloride sample concentration.

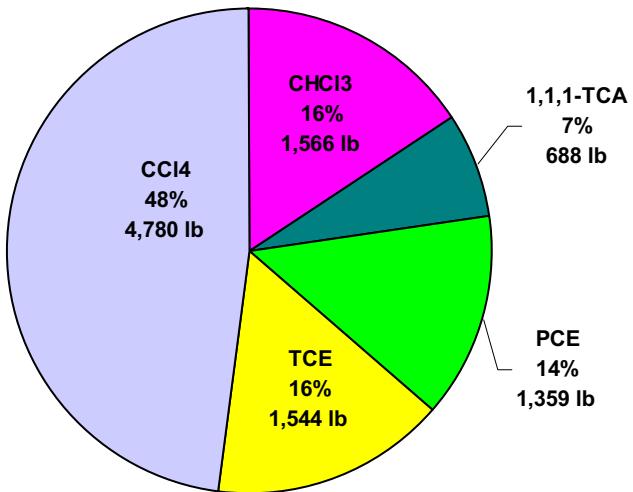


Figure C-4. Analyte mass contribution to total volatile organic compound mass during the midyear 2005 reporting period.

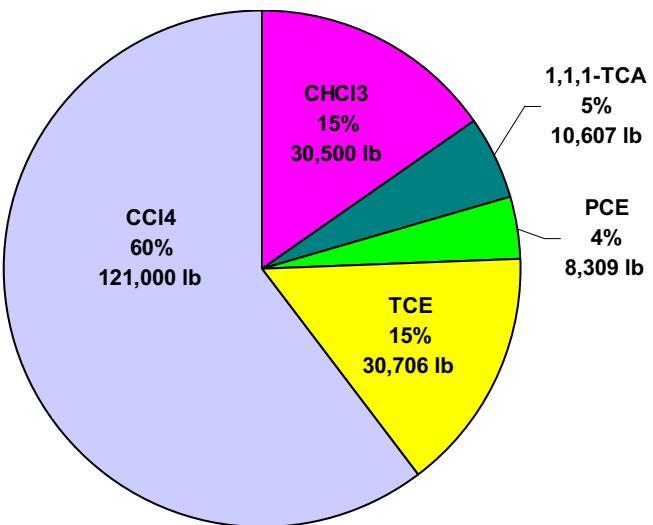


Figure C-5. Analyte mass contribution to total volatile organic compound mass from 1996 through 2005.

Table C-4. Breakdown per operating cycle of the mass of contaminants removed through June 2005.

Operating Period	Year	CHCl ₃ (lb)	TCA (lb)	PCE (lb)	TCE (lb)	CCl ₄ (lb)	Total (lb)
1st 8 weeks	1996	1,001	277	183	855	4,447	6,763
% of total		15%	4%	3%	13%	66%	
2nd 8 weeks	1996	671	209	168	646	3,090	4,784
% of total		14%	4%	4%	14%	65%	
3rd 8 weeks	1996	501	149	104	449	2,211	3,413
% of total		15%	4%	3%	13%	65%	
1st quarter	1997	443	108	62	320	1,938	2,871
% of total		15%	4%	2%	11%	68%	
2nd quarter	1997	1,078	360	294	1,076	5,191	7,999
% of total		13%	5%	4%	13%	65%	
3rd quarter	1997	643	119	145	604	2,800	4,311
% of total		15%	3%	3%	14%	65%	
4th quarter	1997	1,202	342	241	987	5,391	8,162
% of total		15%	4%	3%	12%	66%	
Midyear	1998	1,083	339	247	967	4,757	7,393
% of total		15%	5%	3%	13%	64%	
End-Year	1998	1,452	376	412	1,537	5,942	9,719
% of total		15%	4%	4%	16%	61%	
Midyear	1999	745	196	149	808	3,725	5,622
% of total		13%	3%	3%	14%	66%	
End-Year	1999	1,149	367	320	1,337	5,492	8,664
% of total		13%	4%	4%	15%	63%	
Midyear	2000	1,125	302	272	1,252	5,119	8,072
% of total		14%	4%	3%	16%	63%	
End-Year	2000	630	128	69	567	2,934	4,329
% of total		15%	3%	2%	13%	68%	
Midyear	2001	1,534	272	326	1,349	6,153	9,634
% of total		16%	3%	3%	14%	64%	
End-Year	2001	1,720	513	332	1,849	7,349	11,763
% of total		15%	4%	3%	16%	62%	
Midyear	2002	2,061	966	517	2,377	7,845	13,767
% of total		15%	7%	4%	17%	57%	
End-Year	2002	2,412	1,016	535	2,516	8,477	14,956
% of total		16%	7%	4%	17%	57%	

Table C-4. (continued).

Operating Period	Year	CHCl ₃ (lb)	TCA (lb)	PCE (lb)	TCE (lb)	CCl ₄ (lb)	Total (lb)
Midyear	2003	2,134	975	603	2,379	8,151	14,242
% of total		15%	7%	4%	17%	57%	
End-Year	2003	765	290	164	740	2,388	4,347
% of total		18%	7%	4%	17%	55%	
Midyear	2004	3,495	1,384	745	3,505	12,356	21,486
% of total		16%	6%	3%	16%	58%	
End-Year	2004	3,180	1,230	1,062	3,042	10,919	19,433
% of total		16%	6%	5%	16%	56%	
Midyear	2005	1,566	688	1,359	1,544	4,780	9,936
% of total		16%	7%	14%	16%	48%	
					Total 1996-Midyear 2005	201,667	

CCl₄ = carbon tetrachlorideCHCl₃ = chloroform

PCE = tetrachloroethylene

TCA = trichloroethane

TCE = trichloroethylene

Appendix D

Spatial and Temporal Distribution of Volatile Organic Compounds in the Vadose Zone

Appendix D

Spatial and Temporal Distribution of Volatile Organic Compounds in the Vadose Zone

Figures D-1 through D-11 represent a horizontal cross-section of the distribution of the CCl₄ concentration in the SDA at approximately 21 m (70 ft) below ground surface. Concentration values from eleven different sampling events were used to prepare the plots before starting the remedial action in January 1996, January 1998, January 2000, January 2002, January 2004, and January through June 2005. Note the different scale from the 2005 diagrams. The CCl₄ concentration distribution was kriged^b by using the Environmental Visualization System software program. Plots of current CCl₄ vapor data, at approximately 21 m (70 ft) deep, indicate an overall decrease in the area extent of the plume when compared to data taken before operations at the same depth. The vapor data also indicate a decrease in the CCl₄ concentration at the center of the plume.

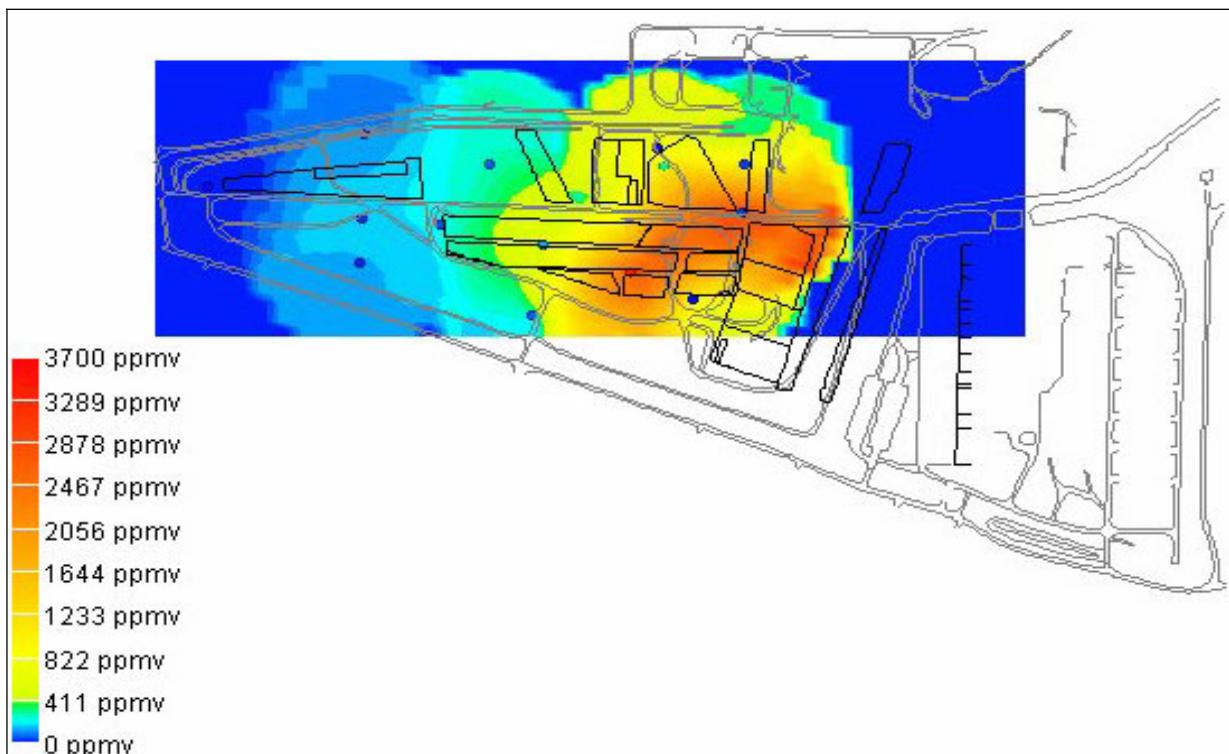


Figure D-1. Spatial distribution of volatile organic compounds in the Subsurface Disposal Area at approximately 21 m (70 ft) below ground surface in January 1996.

b. Kriging is a method of linear regression that takes into account the spatial relationship of a series of points. In this case, concentrations are estimated between actual measured data points, providing insight into what the actual concentration profile might look like at any horizontal level in the contamination zone.

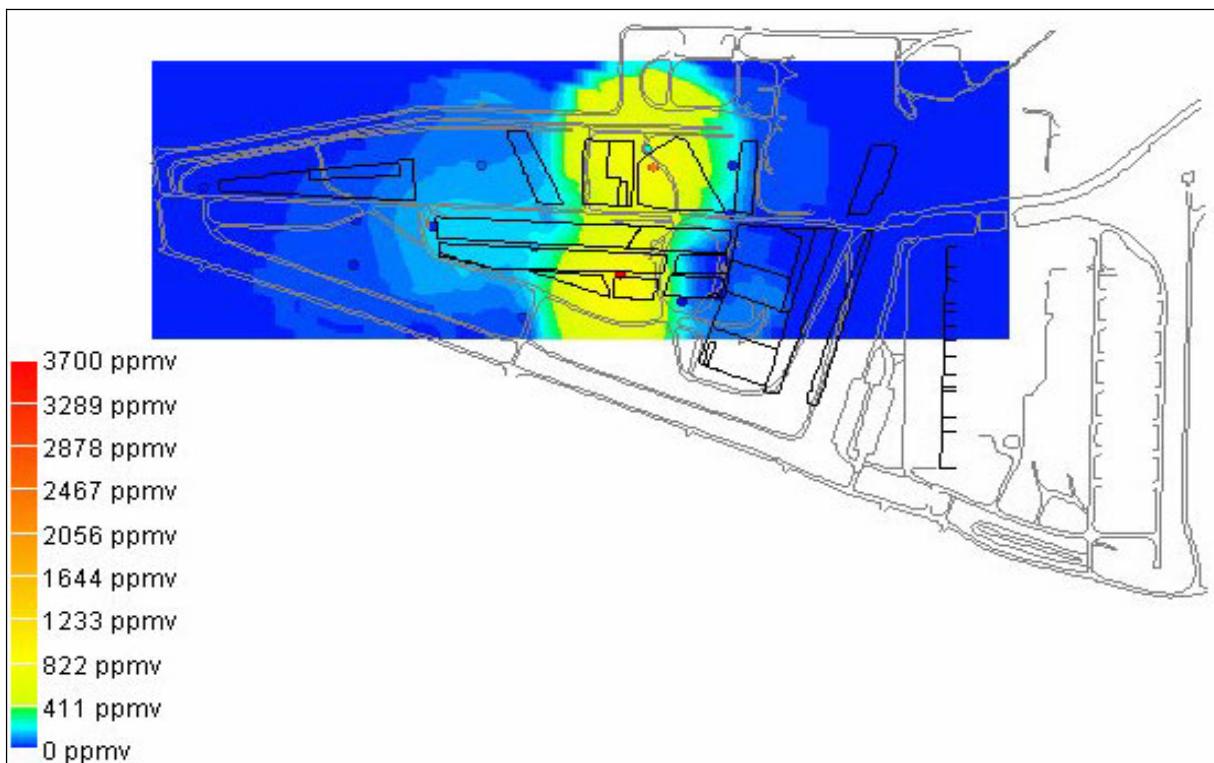


Figure D-2. Spatial distribution of volatile organic compounds in the Subsurface Disposal Area at approximately 21 m (70 ft) below ground surface in January 1998.

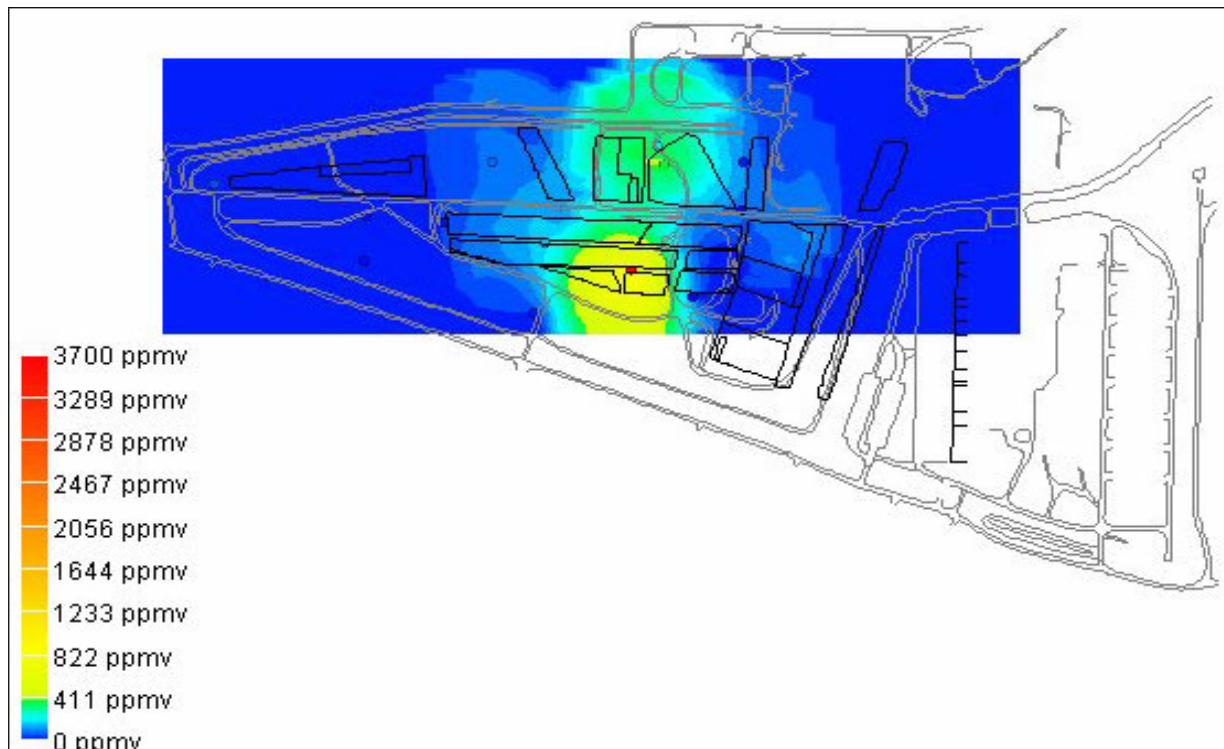


Figure D-3. Spatial distribution of volatile organic compounds in the Subsurface Disposal Area at approximately 21 m (70 ft) below ground surface in January 2000.

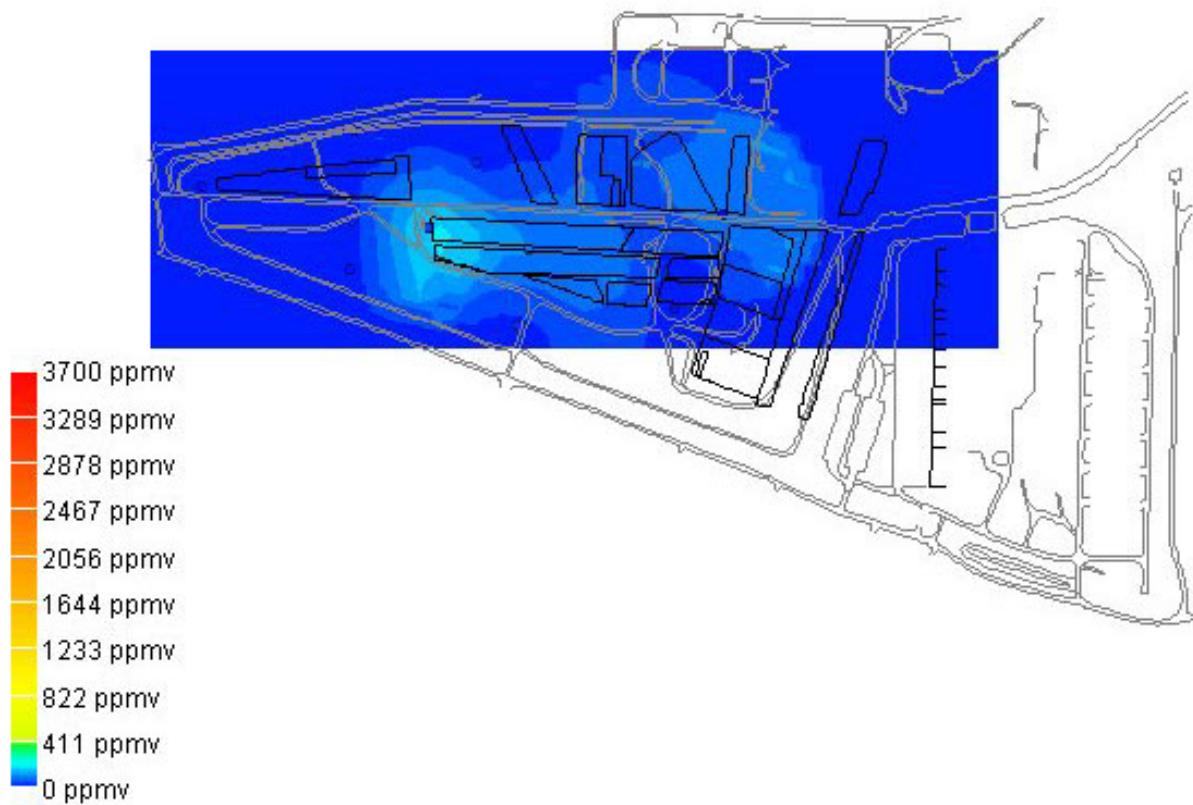


Figure D-4. Spatial distribution of volatile organic compounds in the Subsurface Disposal Area at approximately 21 m (70 ft) below ground surface in January 2002.

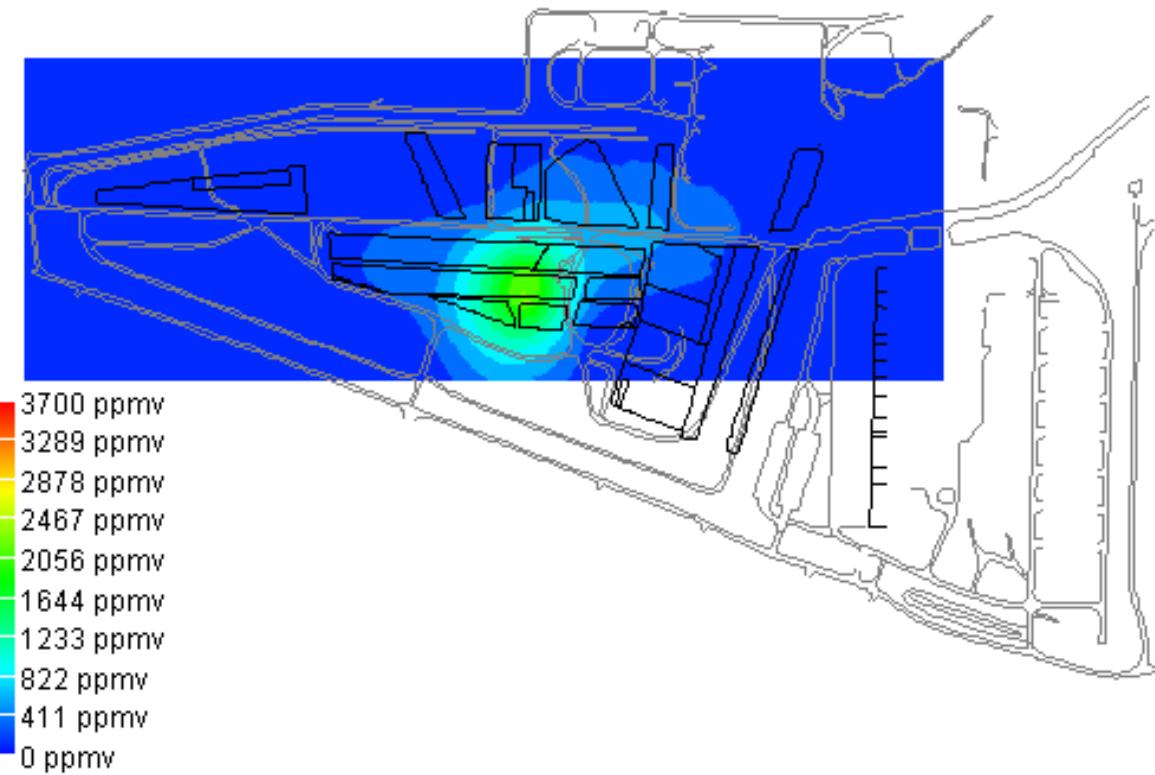


Figure D-5. Spatial distribution of volatile organic compounds in the Subsurface Disposal Area at approximately 21 m (70 ft) below ground surface in January 2004.

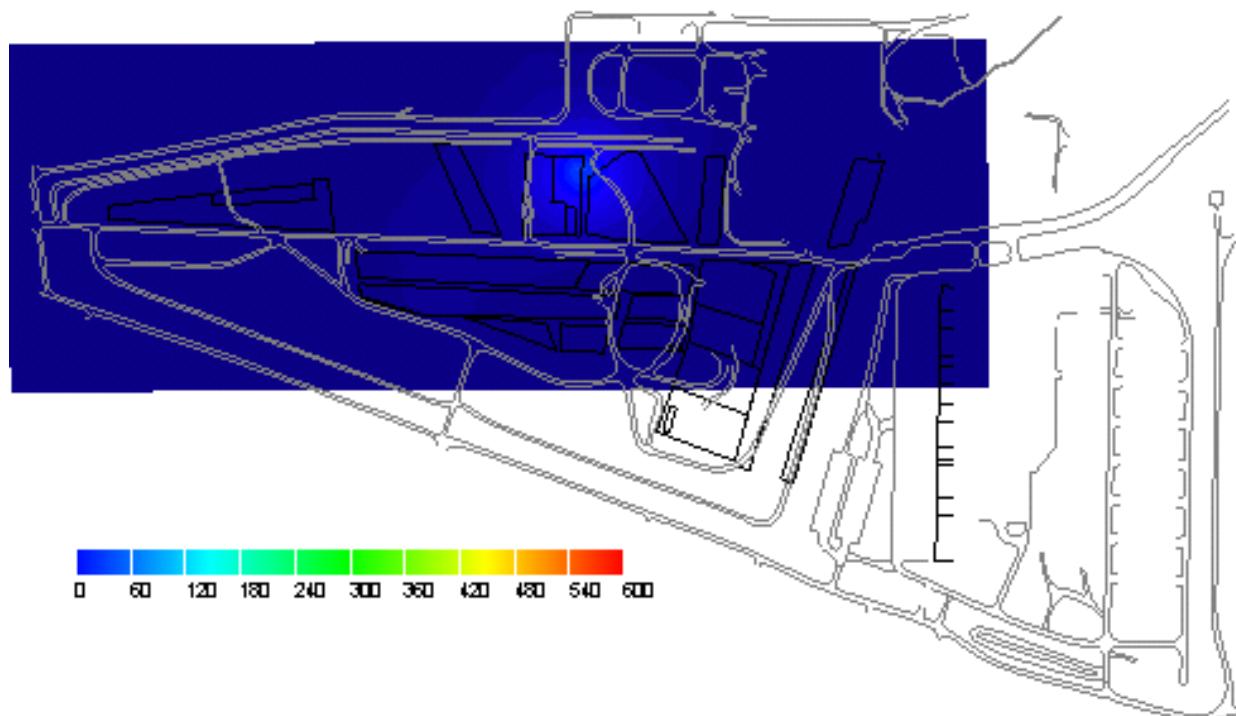


Figure D-6. Spatial distribution of volatile organic compounds in the Subsurface Disposal Area at approximately 21 m (70 ft) below ground surface in January 2005.

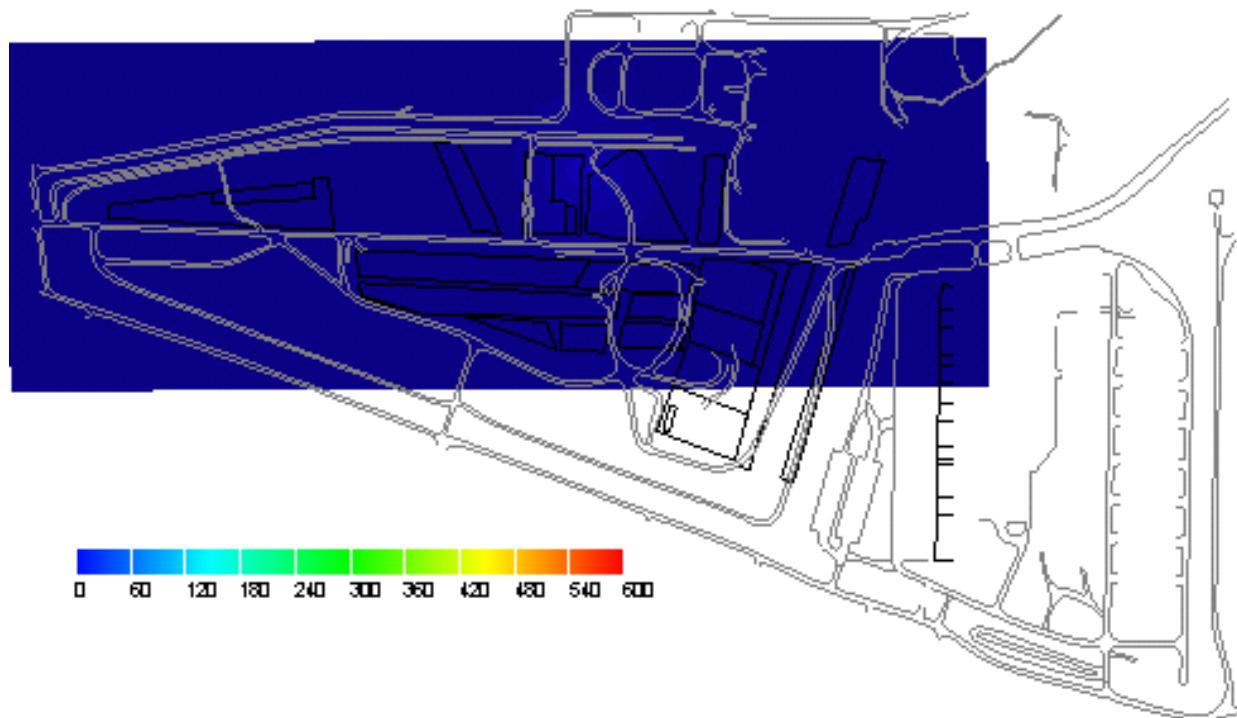


Figure D-7. Spatial distribution of volatile organic compounds in the Subsurface Disposal Area at approximately 21 m (70 ft) below ground surface in February 2005.

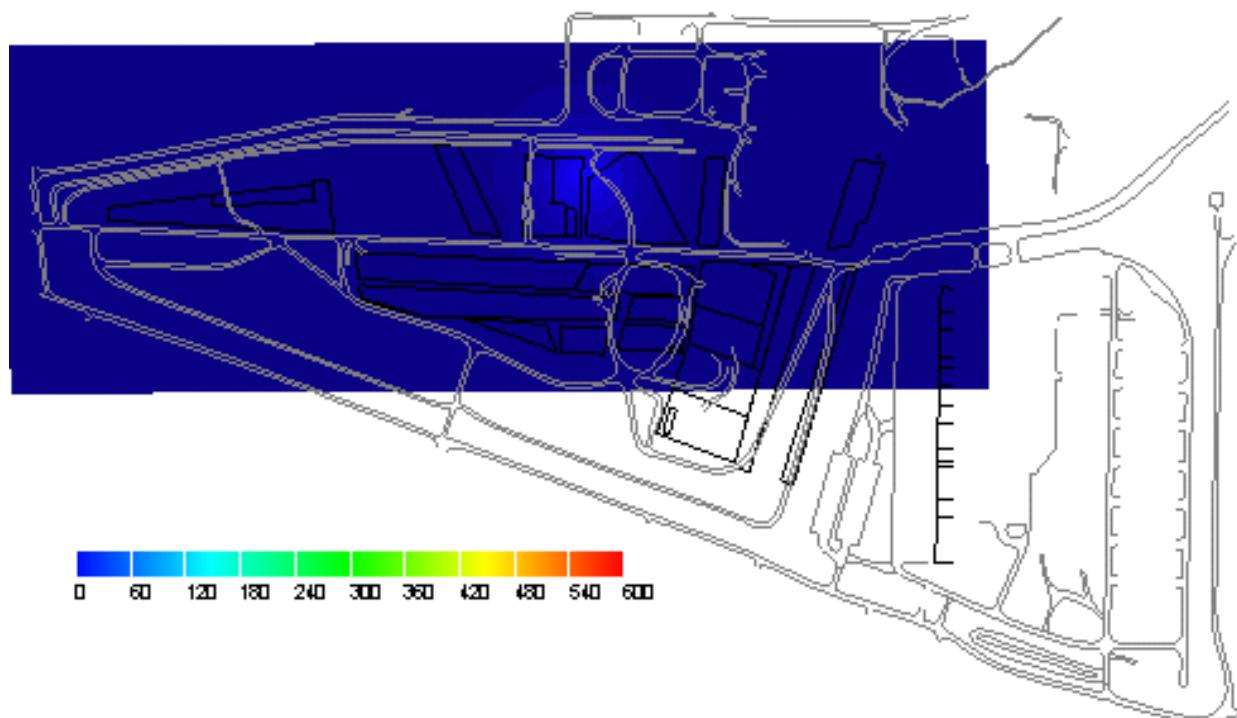


Figure D-8. Spatial distribution of volatile organic compounds in the Subsurface Disposal Area at approximately 21 m (70 ft) below ground surface in March 2005.

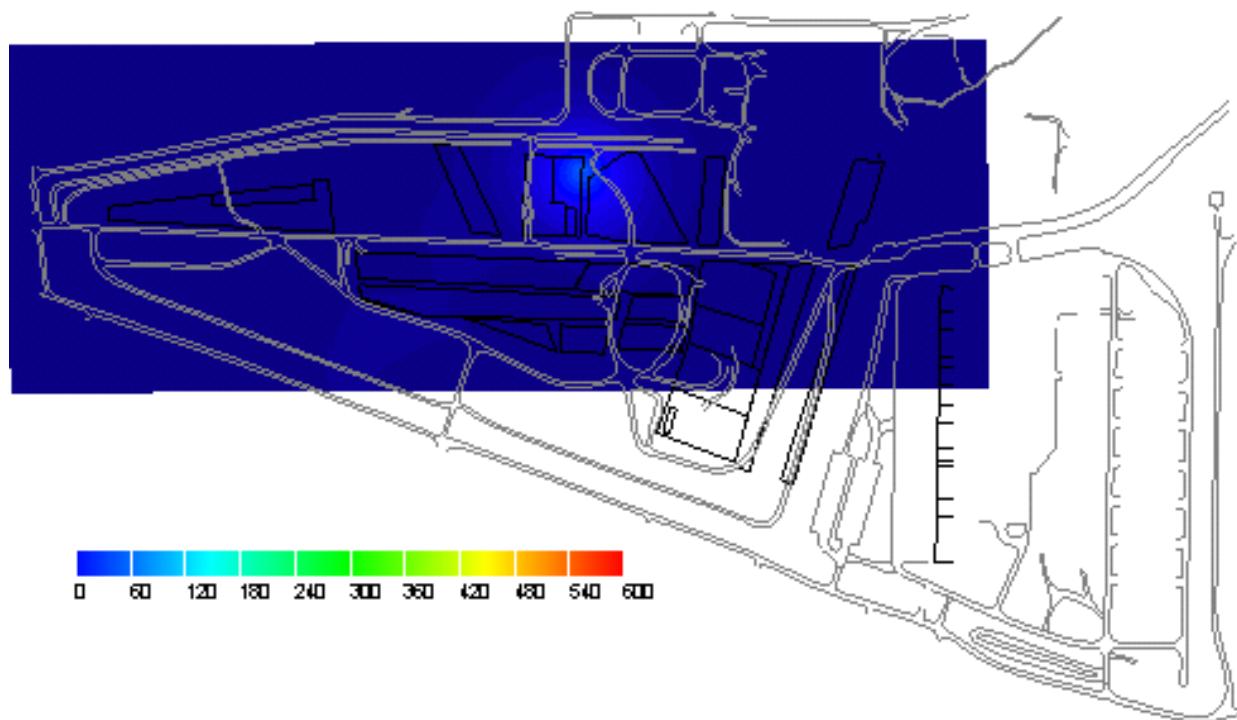


Figure D-9. Spatial distribution of volatile organic compounds in the Subsurface Disposal Area at approximately 21 m (70 ft) below ground surface in April 2005.

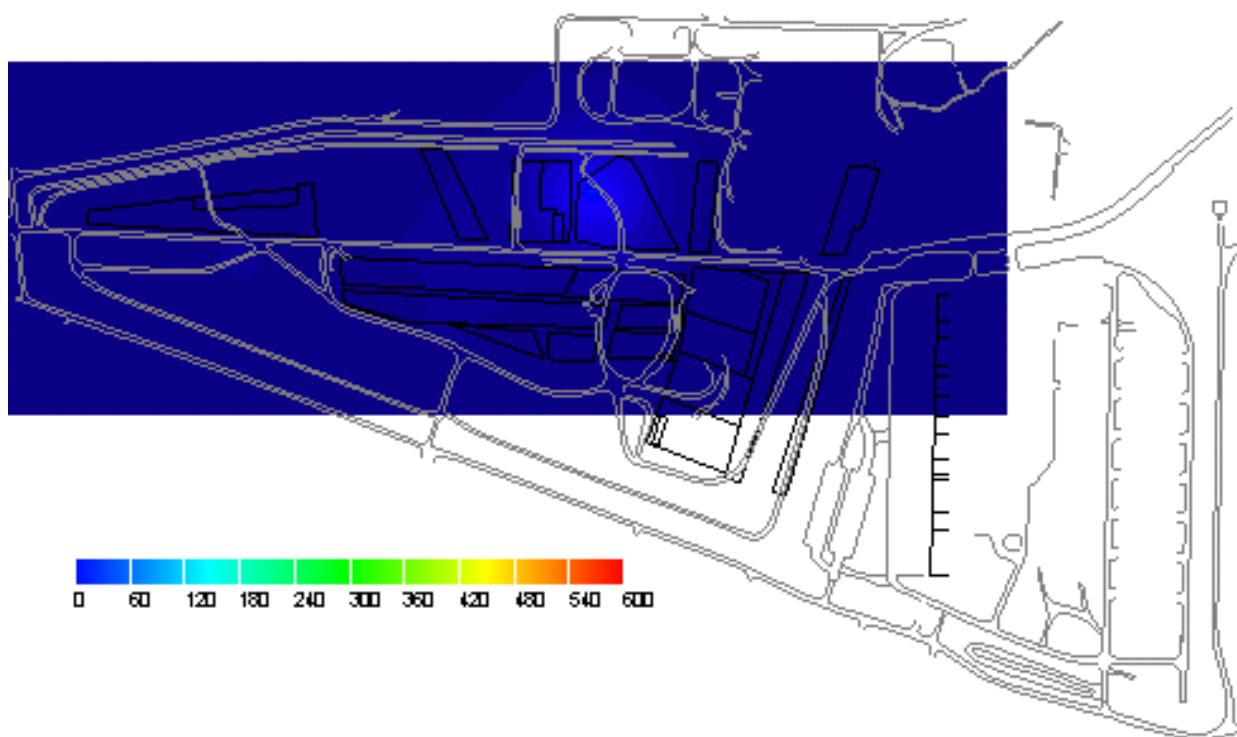


Figure D-10. Spatial distribution of volatile organic compounds in the Subsurface Disposal Area at approximately 21 m (70 ft) below ground surface in May 2005.

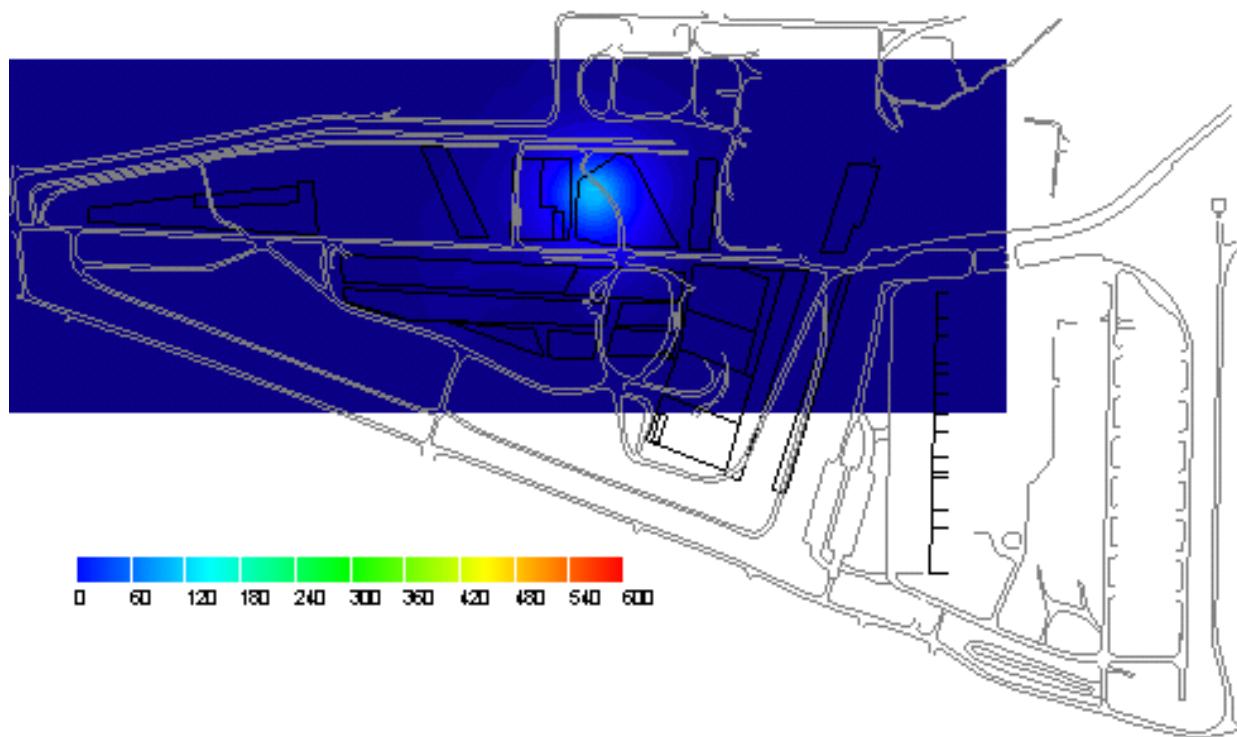


Figure D-11. Spatial distribution of volatile organic compounds in the Subsurface Disposal Area at approximately 21 m (70 ft) below ground surface in June 2005.

Appendix E

Operations History of Vacuum Vapor Extraction with Treatment Units at the Subsurface Disposal Area

Appendix E

Operations History of Vacuum Vapor Extraction with Treatment Units at the Subsurface Disposal Area

During the midyear 2005 operations period, Units D operated for 93% of calendar hours, Unit E for 72% of calendar hours, and Unit F achieved uptime of 89% of calendar hours. Figures E-1, E-2, and E-3 show the operation histories of the three VVET units during the midyear 2005 operational period. Table E-1 shows the cumulative operating schedule for VVET operations from January 1996 through June 2005.

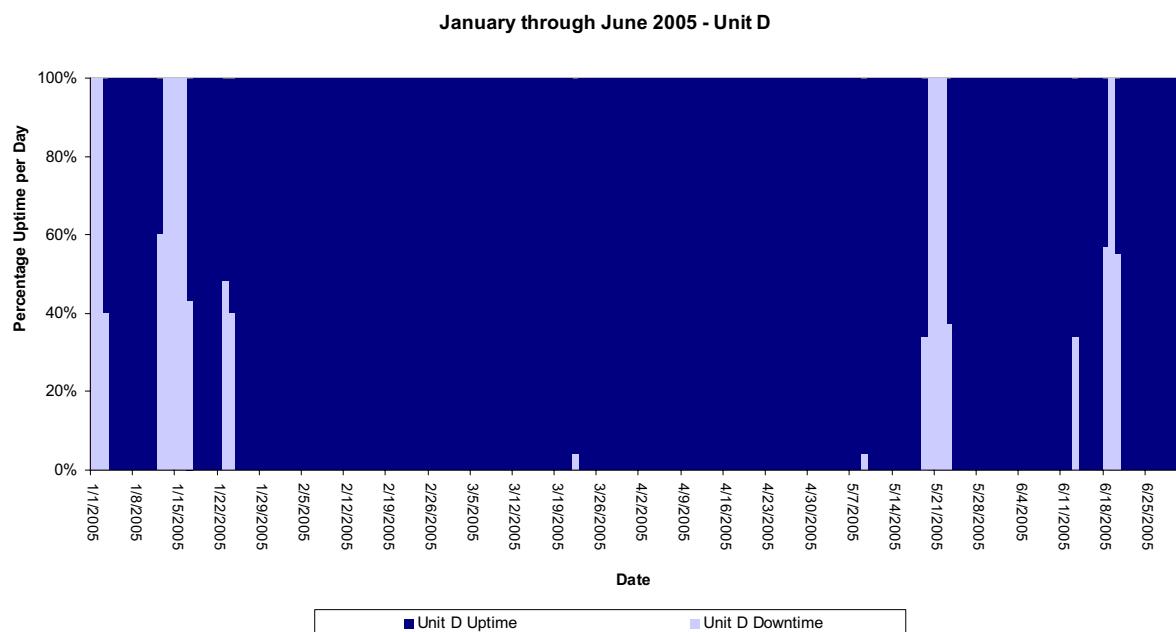


Figure E-1. Operation history of vapor vacuum extraction with treatment Unit D for midyear 2005.

January through June 2005 - Unit E

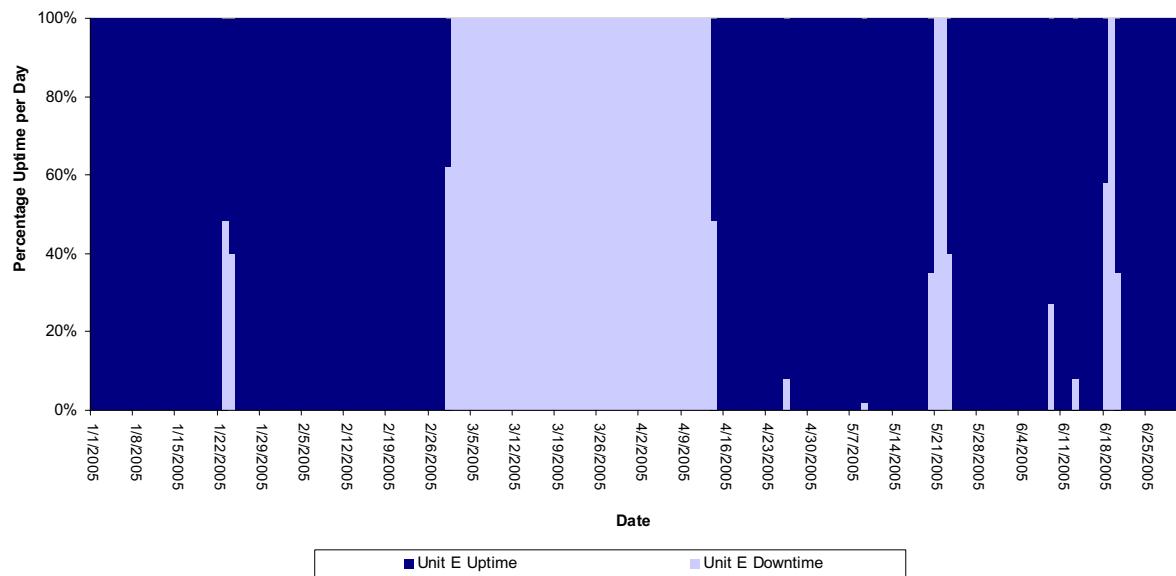


Figure E-2. Operation history of vapor vacuum extraction with treatment Unit E for midyear 2005.

January through June 2005 - Unit F

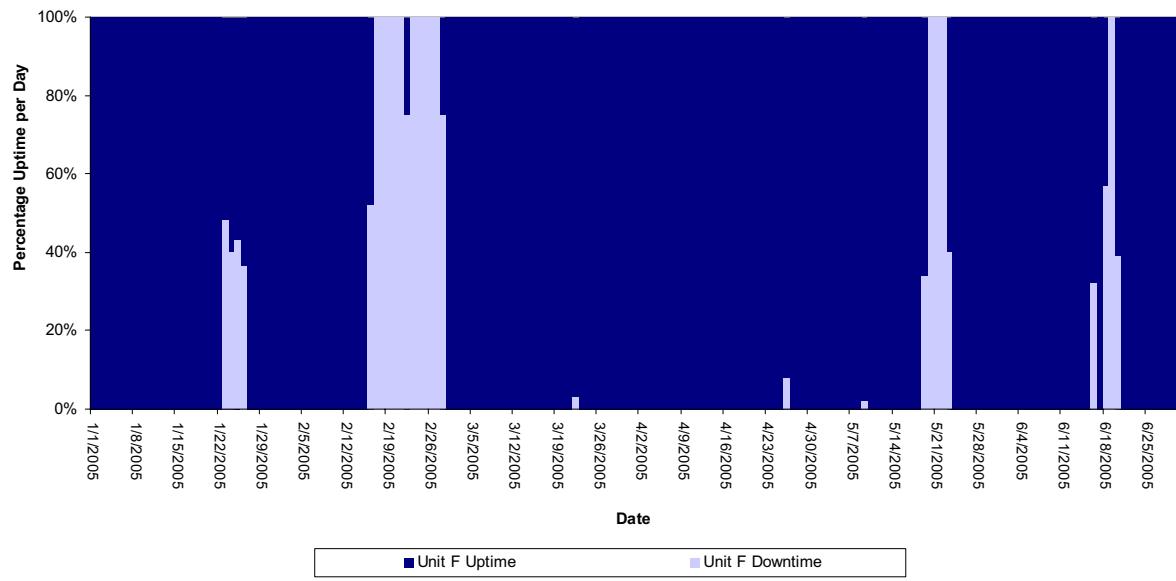


Figure E-3. Operation history of vapor vacuum extraction with treatment Unit F for midyear 2005.

Table E-1. Cumulative operating schedule for vapor vacuum extraction with treatment operations through June 2005.

Operating Period	Unit A	Unit B	Unit C	Unit D	Unit E	Unit F	Notes
1996							
Hours Operated	3,323	2,683	2,465	N/A	N/A	N/A	
Calendar Hours	8,489	7,647	8,169	N/A	N/A	N/A	
Percent Operated	39%	35%	30%	—	—	—	
1997							
Hours Operated	4,562	4,595	2,511	N/A	N/A	N/A	
Calendar Hours	8,760	8,760	8,760	N/A	N/A	N/A	
Percent Operated	52%	52%	29%	—	—	—	
1998							
Hours Operated	6,587	6,247	N/A	N/A	N/A	N/A	
Calendar Hours	8,760	8,760	8,760	N/A	N/A	N/A	
Percent Operated	75%	71%	—	—	—	—	
1999							
Hours Operated	6,197	2,744	2,276	N/A	N/A	N/A	
Calendar Hours	8,760	8,760	8,760	N/A	N/A	N/A	
Percent Operated	71%	31%	26%	—	—	—	
2000							
Hours Operated	6,047	3,292	1,995	N/A	N/A	N/A	Unit C failed in spring 2000
Calendar Hours	8,760	8,760	3,609.2	N/A	N/A	N/A	
Percent Operated	69%	38%	55%	—	—	—	
2001							
Hours Operated	5,489	4,335	N/A	752	N/A	N/A	Unit C replaced with Unit D in spring 2001
Calendar Hours	8,760	8,760	N/A	1,970	N/A	N/A	
Percent Operated	63%	49%	—	19%	—	—	Unit D shakedown period
2002							
Hours Operated	6,810	7,175	N/A	7,122	N/A	N/A	Unit D shakedown completed 3/4/02
Calendar Hours	8,760	8,760	N/A	8,760	N/A	N/A	
Percent Operated	78%	82%	—	81%	—	—	

Table E-1. (continued).

2003						
Hours Operated	5,519	710	N/A	6,624	N/A	N/A
		1,018.				Unit B shutdown in February 2003
Calendar Hours	6,417	2	N/A	8,760	N/A	N/A
Percent Operated	86%	70%	—	76%	—	—
2004						
Hours Operated	N/A	N/A	N/A	8,150	6,396	5,478
Calendar Hours	N/A	N/A	N/A	8,784	6,480	6,992
Percent Operated	—	—	—	93%	99%	78%
2005						
Hours Operated	N/A	N/A	N/A	3,994	3,117	3,867
Calendar Hours	N/A	N/A	N/A	4,344	4,344	4,344
Percent Operated	—	—	—	92%	72%	89%
TOTALS						
Hours Operated	44,535	31,780	9,248	26,643	9,513	9,345
Calendar Hours	67,466	61,225	38,058	32,618	10,824	11,336
Percent Operated	66%	58%	24%	82%	88%	82%

Appendix F

Well-Port Monitoring Data and Carbon Tetrachloride Concentration Graphs from January through June 2005

Appendix F

Well-Port Monitoring Data and Carbon Tetrachloride Concentration Graphs from January through June 2005

Appendix F is a presentation in tabular and graphical form of volatile organic compound (VOC) concentrations for each well port from January through June 2005. The tables provide data from the last 6 months for each VOC monitored, while the graphs provide trending for all data collected since 1993 for carbon tetrachloride only.

Table F-1. Monitoring data for Well 1E-1 from January through June, 2005.

Well Port 1E-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 268397 ft	Northing 669475 ft	Purge Time 4 sec	Depth 60.5 ft
1/11/2005	8:49 AM	1/11/2005	5:11 PM	5.54E+00	2.36E+00	7.17E-01
2/10/2005	1:58 PM	2/10/2005	2:53 PM	4.24E+00	1.42E+00	8.29E-01
3/8/2005	4:27 PM	3/9/2005	10:23 AM	9.19E+00	8.03E+00	2.09E+01
4/5/2005	9:07 AM	4/6/2005	10:00 AM	6.95E+00	5.26E+00	1.41E+01
5/11/2005	7:52 AM	5/11/2005	11:01 AM	2.55E+00	3.88E-01	6.00E-01
6/1/2005	8:12 AM	6/2/2005	11:11 AM	2.51E+00	1.17E+00	1.74E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/11/2005	8:49 AM	1/11/2005	5:11 PM	5.54E+00	2.36E+00	7.17E-01	2.74E+00
2/10/2005	1:58 PM	2/10/2005	2:53 PM	4.24E+00	1.42E+00	8.29E-01	2.97E+00
3/8/2005	4:27 PM	3/9/2005	10:23 AM	9.19E+00	8.03E+00	2.09E+01	1.51E+01
4/5/2005	9:07 AM	4/6/2005	10:00 AM	6.95E+00	5.26E+00	1.41E+01	2.44E+01
5/11/2005	7:52 AM	5/11/2005	11:01 AM	2.55E+00	3.88E-01	6.00E-01	8.67E+03
6/1/2005	8:12 AM	6/2/2005	11:11 AM	2.51E+00	1.17E+00	1.74E+00	9.54E+03

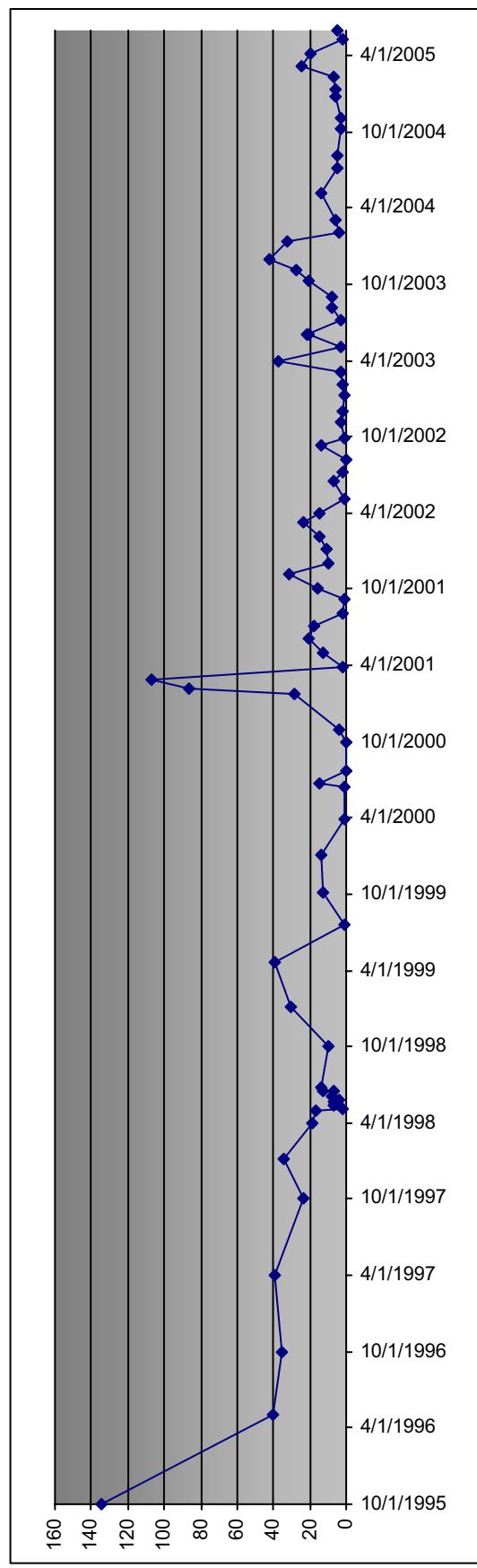


Figure F-1. Carbon Tetrachloride concentrations (ppmv) for Well Port 1E-1

Table F-2. Monitoring data for Well 2E-0 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
2E-0	<input checked="" type="checkbox"/>	M	267553 ft	669439 ft	sec	0 ft

No samples taken for this reporting period.

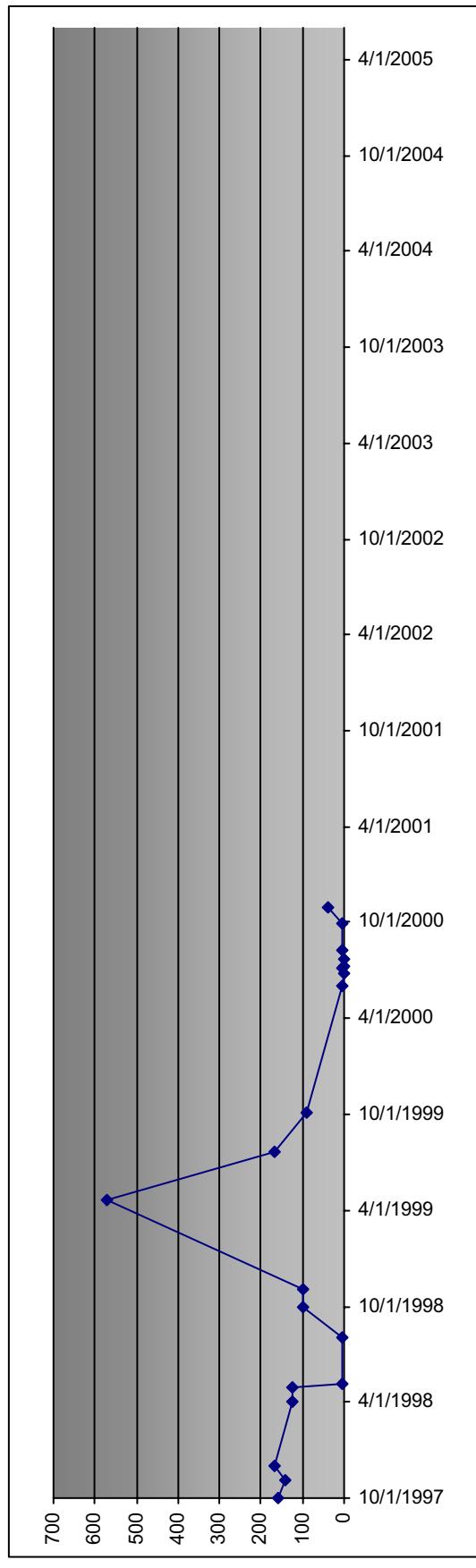


Figure F-2. Carbon Tetrachloride concentrations (ppmv) for Well Port 2E-0

Table F-3. Monitoring data for Well 2E-1 from January through June, 2005.

Well Port 2E-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267553 ft	Northing 669439 ft	Purge Time 5 sec	Depth 87.5 ft
1/10/2005 9:27 AM		1/11/2005	3:20 PM	5.97E+00	2.60E+00	9.66E-01
2/9/2005 1:21 PM		2/10/2005	1:32 PM	4.41E+00	2.33E+00	9.02E-01
3/8/2005 9:29 AM		3/9/2005	10:50 AM	5.93E+00	3.81E+00	7.02E+00
4/4/2005 9:28 AM		4/5/2005	9:32 AM	7.48E+00	4.93E+00	8.01E+00
5/10/2005 11:01 AM		5/11/2005	11:19 AM	8.32E+00	2.07E+00	8.58E-01
6/1/2005 11:08 AM		6/2/2005	1:56 PM	7.56E+00	2.12E+00	8.11E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 9:27 AM	1/11/2005 3:20 PM	5.97E+00	2.60E+00	9.66E-01	3.54E+00	7.14E+00	1.42E+03
2/9/2005 1:21 PM	2/10/2005 1:32 PM	4.41E+00	2.33E+00	9.02E-01	2.65E+00	7.03E+00	5.55E+03
3/8/2005 9:29 AM	3/9/2005 10:50 AM	5.93E+00	3.81E+00	7.02E+00	6.12E+00	1.32E+01	9.63E+03
4/4/2005 9:28 AM	4/5/2005 9:32 AM	7.48E+00	4.93E+00	8.01E+00	8.15E+00	2.29E+01	8.34E+03
5/10/2005 11:01 AM	5/11/2005 11:19 AM	8.32E+00	2.07E+00	8.58E-01	3.64E+00	2.09E+01	2.91E+04
6/1/2005 11:08 AM	6/2/2005 1:56 PM	7.56E+00	2.12E+00	8.11E-01	4.52E+00	1.37E+01	1.20E+04

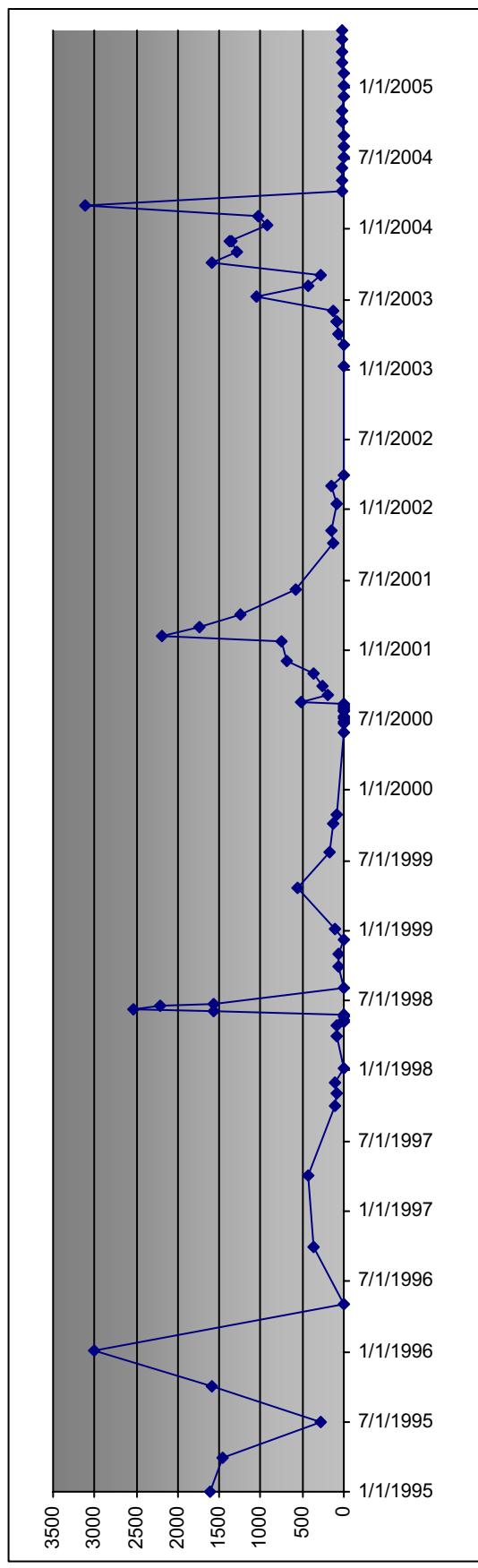


Figure F-3. Carbon Tetrachloride concentrations (ppmv) for Well Port 2E-1

Table F-4. Monitoring data for Well 2E-2 from January through June, 2005.

Well Port 2E-2	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267553 ft	Northing 669439 ft	Purge Time 3 sec	Depth 52.5 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 9:28 AM	1/11/2005 3:23 PM	7.34E+00	3.77E+00	1.17E+00	3.99E+00	1.03E+01	1.42E+03
2/9/2005 1:22 PM	2/10/2005 1:35 PM	5.44E+00	3.69E+00	1.18E+00	3.56E+00	9.74E+00	5.60E+03
3/8/2005 9:30 AM	3/9/2005 10:53 AM	7.02E+00	4.96E+00	6.24E+00	6.73E+00	1.59E+01	9.76E+03
4/4/2005 9:29 AM	4/5/2005 9:35 AM	5.53E+00	3.80E+00	6.96E+00	6.84E+00	1.67E+01	8.31E+03
5/10/2005 11:03 AM	5/11/2005 11:22 AM	7.17E+00	2.51E+00	7.96E-01	4.12E+00	1.74E+01	2.80E+04
6/1/2005 11:09 AM	6/2/2005 1:59 PM	5.82E+00	2.90E+00	1.02E+00	4.97E+00	1.21E+01	1.33E+04

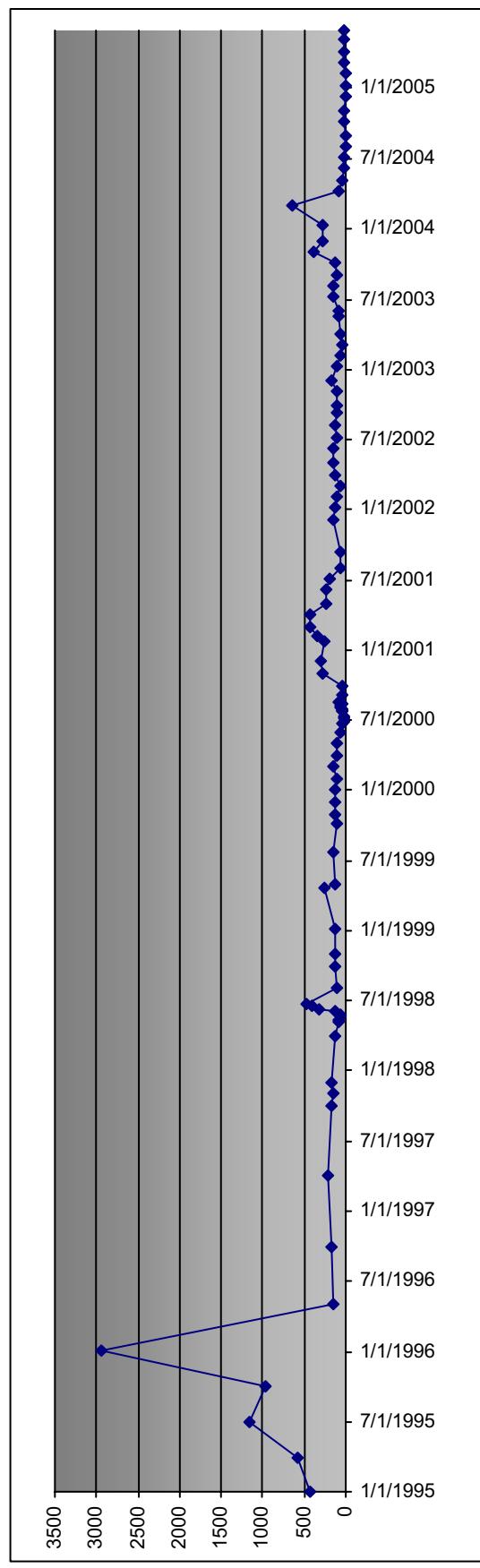


Figure F-4. Carbon Tetrachloride concentrations (ppmv) for Well Port 2E-2

Table F-5. Monitoring data for Well 2E-3 from January through June, 2005.

Well Port 2E-3	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267553 ft	Northing 669439 ft	Purge Time 2 sec	Depth 32.5 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 9:29 AM	1/11/2005 3:26 PM	7.17E+00	3.28E+00	9.05E-01	3.58E+00	1.18E+01	1.41E+03
2/9/2005 1:23 PM	2/10/2005 1:38 PM	9.86E+00	3.59E+00	9.53E-01	4.91E+00	2.54E+01	5.43E+03
3/8/2005 9:31 AM	3/9/2005 10:56 AM	9.69E+00	4.67E+00	5.71E+00	7.38E+00	2.68E+01	9.58E+03
4/4/2005 9:30 AM	4/5/2005 9:38 AM	1.30E+01	5.31E+00	6.30E+00	9.32E+00	3.44E+01	8.38E+03
5/10/2005 11:05 AM	5/11/2005 11:25 AM	6.69E+00	1.90E+00	7.42E-01	3.86E+00	1.64E+01	2.73E+04
6/1/2005 11:10 AM	6/2/2005 2:02 PM	1.09E+01	2.92E+00	9.81E-01	7.05E+00	2.06E+01	1.30E+04

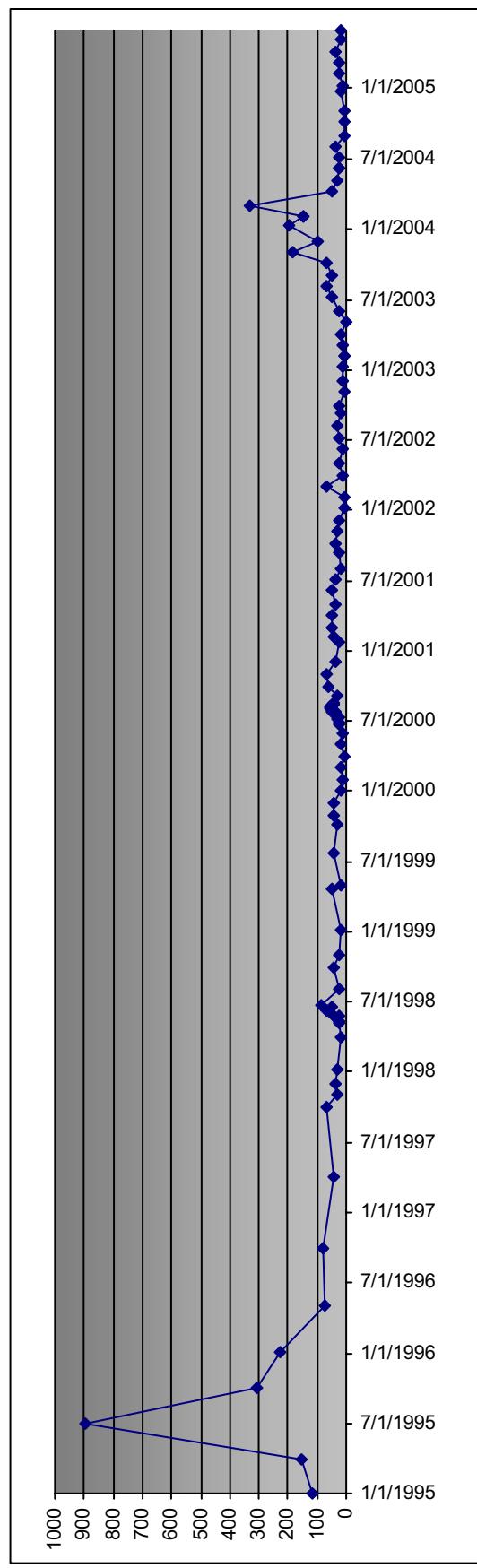


Figure F-5. Carbon Tetrachloride concentrations (ppmv) for Well Port 2E-3

Table F-6. Monitoring data for Well 3E-1 from January through June, 2005.

Well Port 3E-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267146 ft	Northing 669775 ft	Purge Time 7 sec	Depth 121 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 3:15 PM	1/11/2005 12:56 PM	1.32E+01	8.44E+00	2.07E+01	1.56E+01	4.31E+01	2.73E+03
2/9/2005 1:11 PM	2/10/2005 1:41 PM	5.97E+00	1.55E+00	6.75E-01	4.01E+00	1.51E+01	5.26E+03
3/8/2005 10:37 AM	3/9/2005 11:11 AM	7.86E+00	2.04E+00	2.98E+00	9.30E+00	2.44E+01	9.56E+03
4/4/2005 10:12 AM	4/5/2005 9:56 AM	8.95E+00	2.97E+00	3.81E+00	1.34E+01	3.95E+01	8.35E+03
5/10/2005 11:50 AM	5/11/2005 11:28 AM	9.52E+00	2.14E+00	1.13E+00	1.02E+01	3.73E+01	2.47E+04
6/1/2005 11:30 AM	6/2/2005 10:26 AM	8.19E+00	2.37E+00	4.50E+00	1.17E+01	2.25E+01	1.70E+04

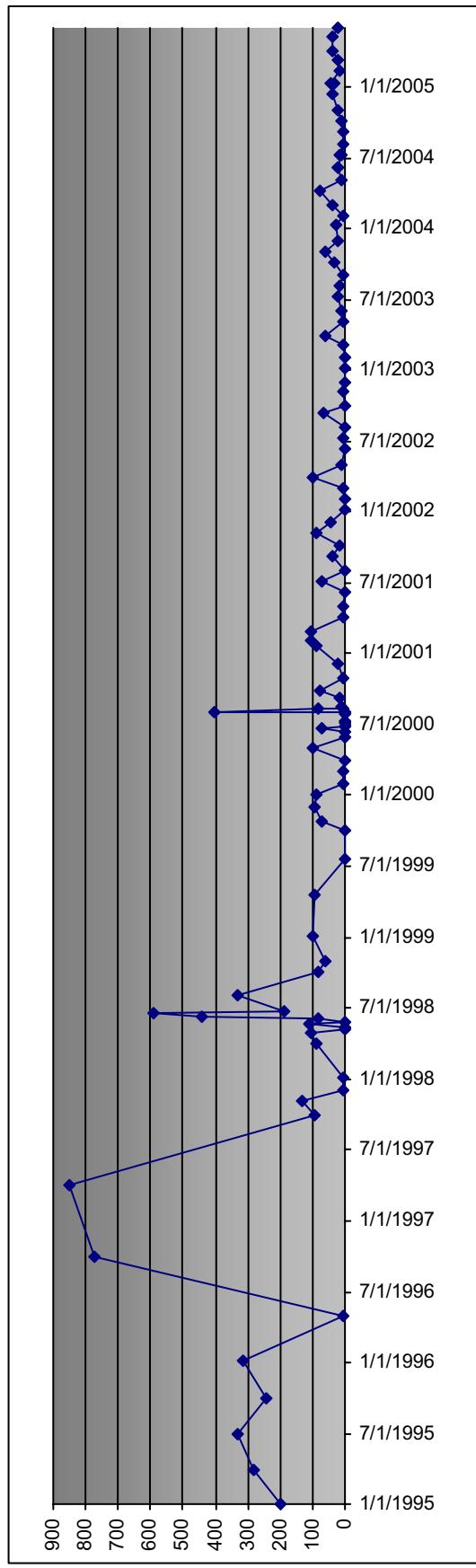


Figure F-6. Carbon Tetrachloride concentrations (ppmv) for Well Port 3E-1

Table F-7. Monitoring data for Well 3E-2 from January through June, 2005.

Well Port 3E-2	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267146 ft	Northing 669775 ft	Purge Time 6 sec	Depth 96.5 ft
2/9/2005	1:12 PM	2/10/2005	1:44 PM	5.20E+00	7.48E-01	3.91E+00
3/8/2005	10:38 AM	3/9/2005	11:14 AM	5.62E+00	3.29E+00	7.73E+00
4/4/2005	10:13 AM	4/5/2005	9:59 AM	6.65E+00	2.39E+00	3.60E+00
5/10/2005	11:51 AM	5/11/2005	11:31 AM	8.77E+00	1.90E+00	1.03E+00
6/1/2005	11:34 AM	6/2/2005	10:29 AM	5.84E+00	1.95E+00	3.96E+00

Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
2/9/2005	1:12 PM	2/10/2005	1:44 PM	5.20E+00	7.48E-01	3.91E+00	1.26E+01
3/8/2005	10:38 AM	3/9/2005	11:14 AM	5.62E+00	1.94E+00	3.29E+00	7.73E+00
4/4/2005	10:13 AM	4/5/2005	9:59 AM	6.65E+00	2.39E+00	3.60E+00	1.11E+01
5/10/2005	11:51 AM	5/11/2005	11:31 AM	8.77E+00	1.90E+00	1.03E+00	2.66E+01
6/1/2005	11:34 AM	6/2/2005	10:29 AM	5.84E+00	1.95E+00	3.96E+00	8.84E+00

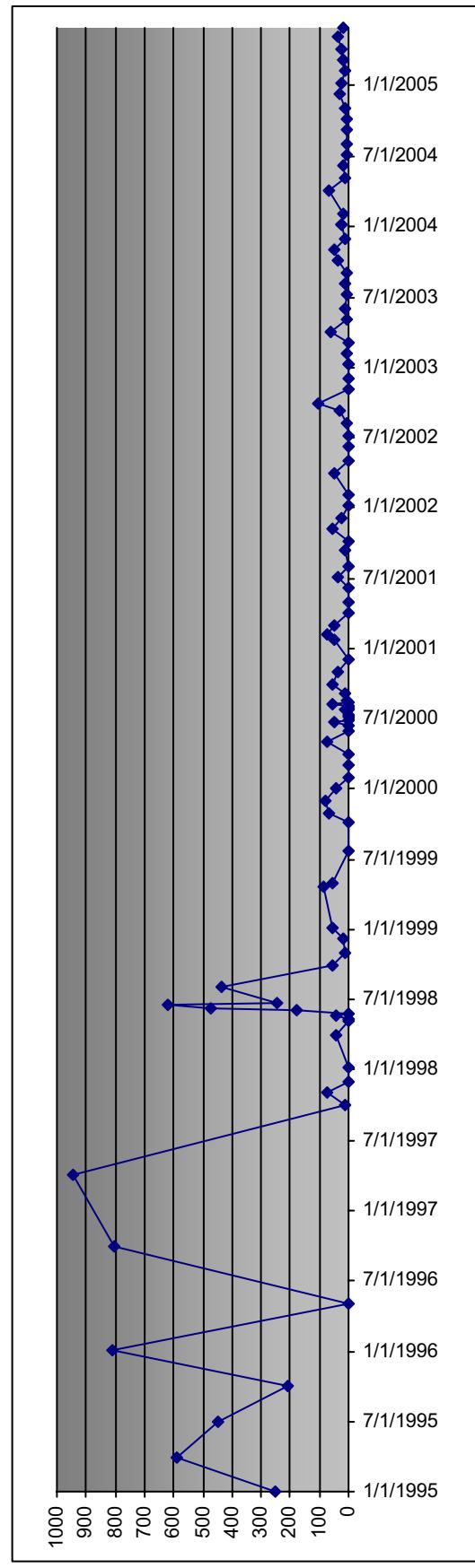


Figure F-7. Carbon Tetrachloride concentrations (ppmv) for Well Port 3E-2

Table F-8. Monitoring data for Well 3E-3 from January through June, 2005.

Well Port 3E-3	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267146 ft	Northing 669775 ft	Purge Time 3 sec	Depth 52.5 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 3:17 PM	1/11/2005 1:08 PM	1.68E+01	8.40E+00	1.23E+01	1.18E+01	4.33E+01	1.59E+03
2/9/2005 1:13 PM	2/10/2005 1:47 PM	1.03E+01	4.45E+00	1.36E+00	5.03E+00	2.48E+01	5.72E+03
3/8/2005 10:39 AM	3/9/2005 11:20 AM	9.40E+00	3.92E+00	3.41E+00	7.62E+00	2.47E+01	1.07E+04
4/4/2005 10:14 AM	4/5/2005 10:02 AM	1.47E+01	6.18E+00	4.26E+00	1.34E+01	4.96E+01	8.50E+03
5/10/2005 11:53 AM	5/11/2005 11:34 AM	1.31E+01	4.28E+00	1.57E+00	9.98E+00	4.54E+01	2.58E+04
6/1/2005 11:35 AM	6/2/2005 10:32 AM	1.54E+01	6.26E+00	5.63E+00	1.43E+01	4.49E+01	1.67E+04

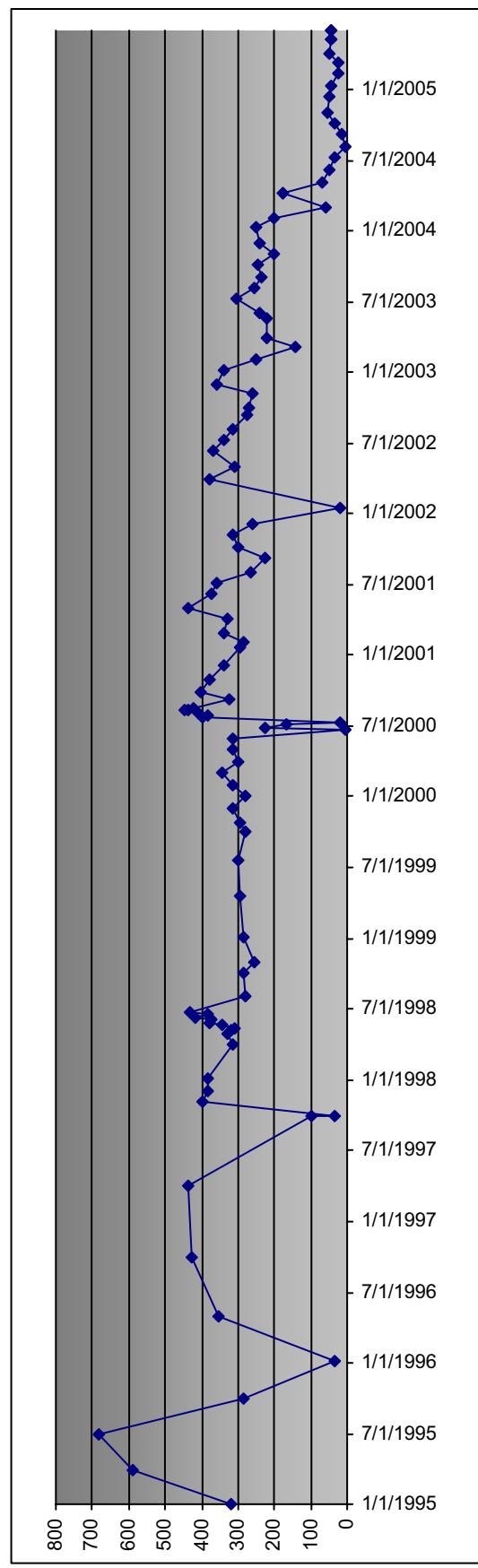


Figure F-8. Carbon Tetrachloride concentrations (ppmv) for Well Port 3E-3

Table F-9. Monitoring data for Well 4E-1 from January through June, 2005.

Well Port 4E-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266601 ft	Northing 669265 ft	Purge Time 6 sec	Depth 96.5 ft
1/10/2005	2:33 PM	1/11/2005	3:05 PM	2.06E+01	7.16E+00	2.24E+00
2/10/2005	1:16 PM	2/10/2005	3:20 PM	1.67E+01	4.46E+00	1.48E+00
3/8/2005	2:03 PM	3/9/2005	11:29 AM	1.14E+01	3.99E+00	3.63E+00
4/4/2005	11:13 AM	4/5/2005	10:14 AM	1.54E+01	6.13E+00	4.49E+00
5/10/2005	1:53 PM	5/11/2005	11:40 AM	2.13E+01	6.52E+00	3.03E+00
6/2/2005	7:57 AM	6/2/2005	10:17 AM	1.86E+01	5.45E+00	6.08E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	2:33 PM	1/11/2005	3:05 PM	2.06E+01	7.16E+00	2.24E+00	1.07E+01
2/10/2005	1:16 PM	2/10/2005	3:20 PM	1.67E+01	4.46E+00	1.48E+00	7.15E+00
3/8/2005	2:03 PM	3/9/2005	11:29 AM	1.14E+01	3.99E+00	3.63E+00	1.03E+01
4/4/2005	11:13 AM	4/5/2005	10:14 AM	1.54E+01	6.13E+00	4.49E+00	3.42E+01
5/10/2005	1:53 PM	5/11/2005	11:40 AM	2.13E+01	6.52E+00	3.03E+00	5.43E+01
6/2/2005	7:57 AM	6/2/2005	10:17 AM	1.86E+01	5.45E+00	6.08E+00	7.90E+01

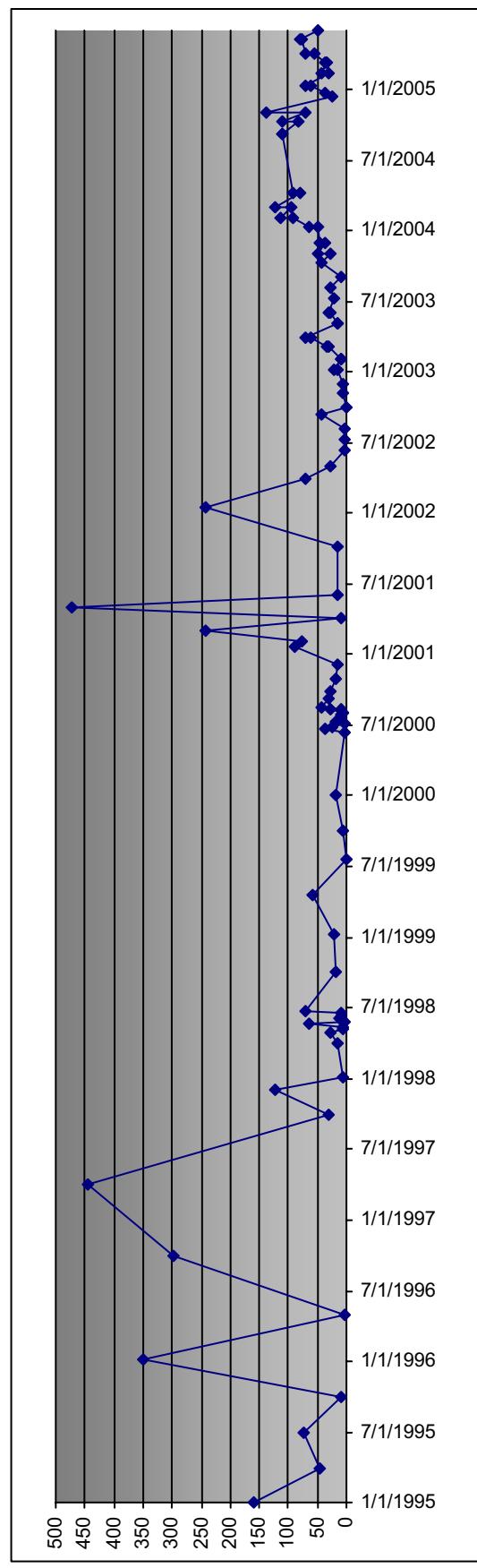


Figure F-9. Carbon Tetrachloride concentrations (ppmv) for Well Port 4E-1

Table F-10. Monitoring data for Well 4E-2 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
4E-2	<input checked="" type="checkbox"/>	M	266601 ft	669265 ft	4 sec	62.5 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 2:34 PM	1/11/2005 3:11 PM	1.88E+01	5.52E+00	2.29E+00	1.34E+01	4.85E+01	1.40E+03
2/10/2005 1:17 PM	2/10/2005 3:26 PM	1.10E+01	2.97E+00	1.17E+00	7.50E+00	2.57E+01	7.17E+03
3/8/2005 2:02 PM	3/9/2005 11:35 AM	1.06E+01	3.64E+00	3.52E+00	1.06E+01	3.00E+01	1.02E+04
4/4/2005 11:14 AM	4/5/2005 10:20 AM	9.51E+00	3.34E+00	4.08E+00	1.33E+01	3.40E+01	8.38E+03
5/10/2005 1:56 PM	5/11/2005 11:46 AM	1.16E+01	2.92E+00	3.28E+00	1.55E+01	4.14E+01	2.30E+04
6/2/2005 7:58 AM	6/2/2005 10:23 AM	2.52E+01	5.86E+00	5.61E+00	2.37E+01	6.24E+01	1.35E+04

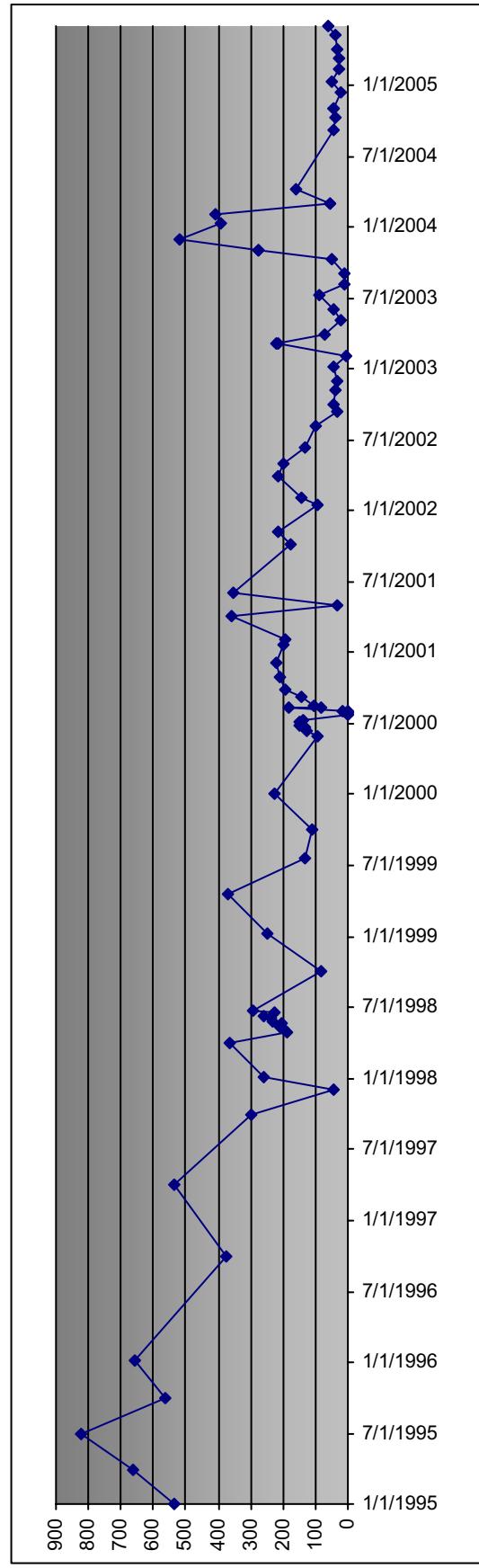


Figure F-10. Carbon Tetrachloride concentrations (ppmv) for Well Port 4E-2

Table F-11. Monitoring data for Well 5E-1 from January through June, 2005.

Well Port 5E-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 265750 ft	Northing 669403 ft	Purge Time 4 sec	Depth 72.5 ft
1/10/2005	1:45 PM	1/11/2005	3:38 PM	4.65E+00	2.03E+00	7.25E-01
2/9/2005	2:25 PM	2/10/2005	1:59 PM	3.48E+00	1.42E+00	7.03E-01
3/8/2005	1:25 PM	3/9/2005	11:53 AM	4.01E+00	1.60E+00	1.76E+00
4/5/2005	3:30 PM	4/6/2005	11:27 AM	3.04E+00	1.36E+00	1.38E+00
5/10/2005	2:00 PM	5/11/2005	11:49 AM	1.19E+01	4.35E+00	3.77E+00
6/1/2005	3:35 PM	6/2/2005	12:41 PM	5.09E+00	2.25E+00	1.35E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	1:45 PM	1/11/2005	3:38 PM	4.65E+00	2.03E+00	7.25E-01	2.08E+00
2/9/2005	2:25 PM	2/10/2005	1:59 PM	3.48E+00	1.42E+00	2.55E+00	3.12E+00
3/8/2005	1:25 PM	3/9/2005	11:53 AM	4.01E+00	1.60E+00	2.57E+00	4.91E+00
4/5/2005	3:30 PM	4/6/2005	11:27 AM	3.04E+00	1.36E+00	1.64E+00	4.40E+00
5/10/2005	2:00 PM	5/11/2005	11:49 AM	1.19E+01	4.35E+00	3.77E+00	8.54E+00
6/1/2005	3:35 PM	6/2/2005	12:41 PM	5.09E+00	2.25E+00	1.35E+00	2.31E+00

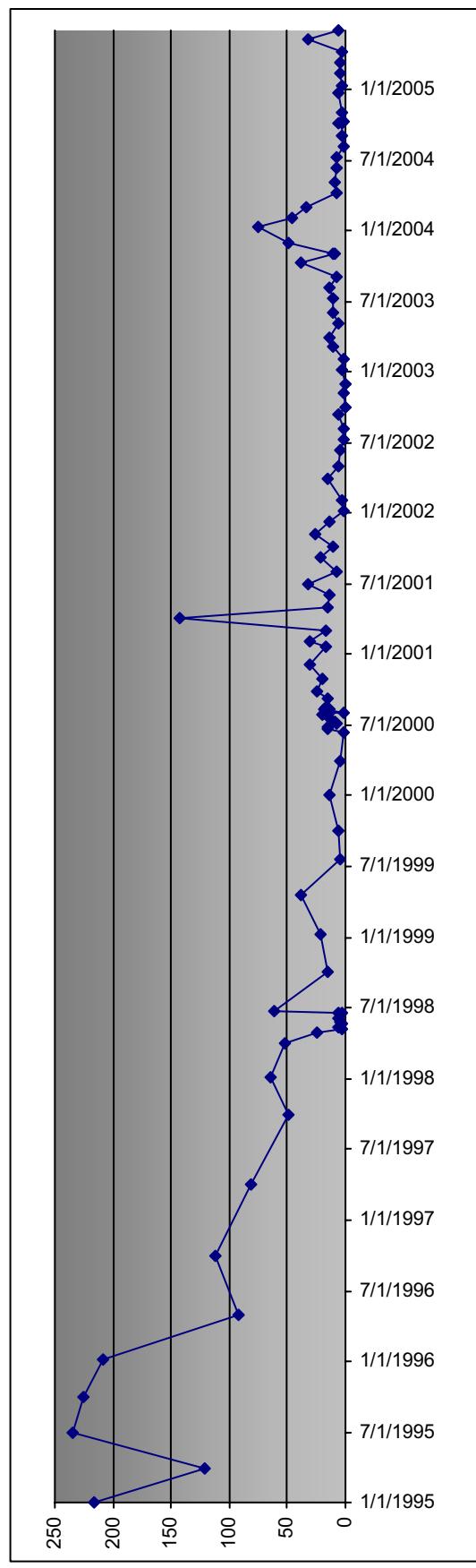


Figure F-11. Carbon Tetrachloride concentrations (ppmv) for Well Port 5E-1

Table F-12. Monitoring data for Well 5E-2 from January through June, 2005.

Well Port 5E-2	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 265750 ft	Northing 669403 ft	Purge Time 3 sec	Depth 49.5 ft
1/10/2005	1:46 PM	1/11/2005	3:41 PM	1.24E+01	5.04E+00	2.90E+00
2/9/2005	2:26 PM	2/10/2005	2:02 PM	3.06E+00	1.21E+00	5.97E-01
3/8/2005	1:26 PM	3/9/2005	11:56 AM	1.32E+01	5.21E+00	4.06E+00
4/5/2005	3:31 PM	4/6/2005	11:30 AM	8.55E+00	3.44E+00	2.74E+00
5/10/2005	2:02 PM	5/11/2005	11:52 AM	1.29E+01	5.02E+00	4.56E+00
6/1/2005	3:36 PM	6/2/2005	12:44 PM	7.63E+00	3.34E+00	2.08E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	1:46 PM	1/11/2005	3:41 PM	1.24E+01	5.04E+00	2.90E+00	3.94E+00
2/9/2005	2:26 PM	2/10/2005	2:02 PM	3.06E+00	1.21E+00	5.97E-01	3.36E+00
3/8/2005	1:26 PM	3/9/2005	11:56 AM	1.32E+01	5.21E+00	4.06E+00	5.75E+00
4/5/2005	3:31 PM	4/6/2005	11:30 AM	8.55E+00	3.44E+00	2.74E+00	5.19E+00
5/10/2005	2:02 PM	5/11/2005	11:52 AM	1.29E+01	5.02E+00	4.56E+00	3.40E+00
6/1/2005	3:36 PM	6/2/2005	12:44 PM	7.63E+00	3.34E+00	2.08E+00	2.33E+01

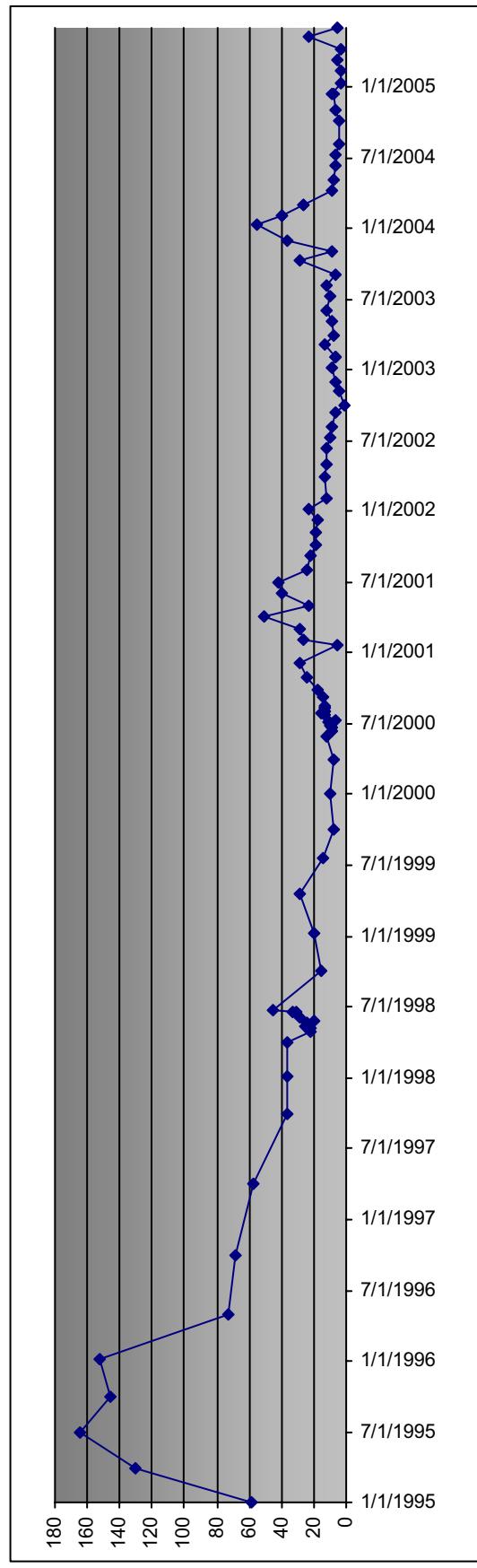


Figure F-12. Carbon Tetrachloride concentrations (ppmv) for Well Port 5E-2

Table F-13. Monitoring data for Well 1V-1 from January through June, 2005.

Well Port 1V-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 268429 ft	Northing 669620 ft	Purge Time 4 sec	Depth 69 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 8:56 PM	1/11/2005 5:02 PM	5.58E+00	2.50E+00	6.82E-01	2.71E+00	6.27E+00	1.33E+03
2/10/2005 1:53 PM	2/10/2005 2:56 PM	4.57E+00	1.89E+00	9.95E-01	3.14E+00	8.55E+00	8.00E+03
3/8/2005 4:28 PM	3/9/2005 10:26 AM	9.39E+00	7.20E+00	1.72E+01	1.30E+01	2.34E+01	8.72E+03
4/5/2005 9:03 AM	4/6/2005 10:03 AM	8.22E+00	5.06E+00	1.14E+01	9.31E+00	2.16E+01	8.31E+03
5/11/2005 7:58 AM	5/11/2005 11:04 AM	3.77E+00	1.03E+00	7.23E-01	1.57E+00	6.15E+00	2.58E+04
6/1/2005 8:15 AM	6/2/2005 11:14 AM	4.15E+00	1.79E+00	4.11E+00	4.11E+00	8.69E+00	1.32E+04

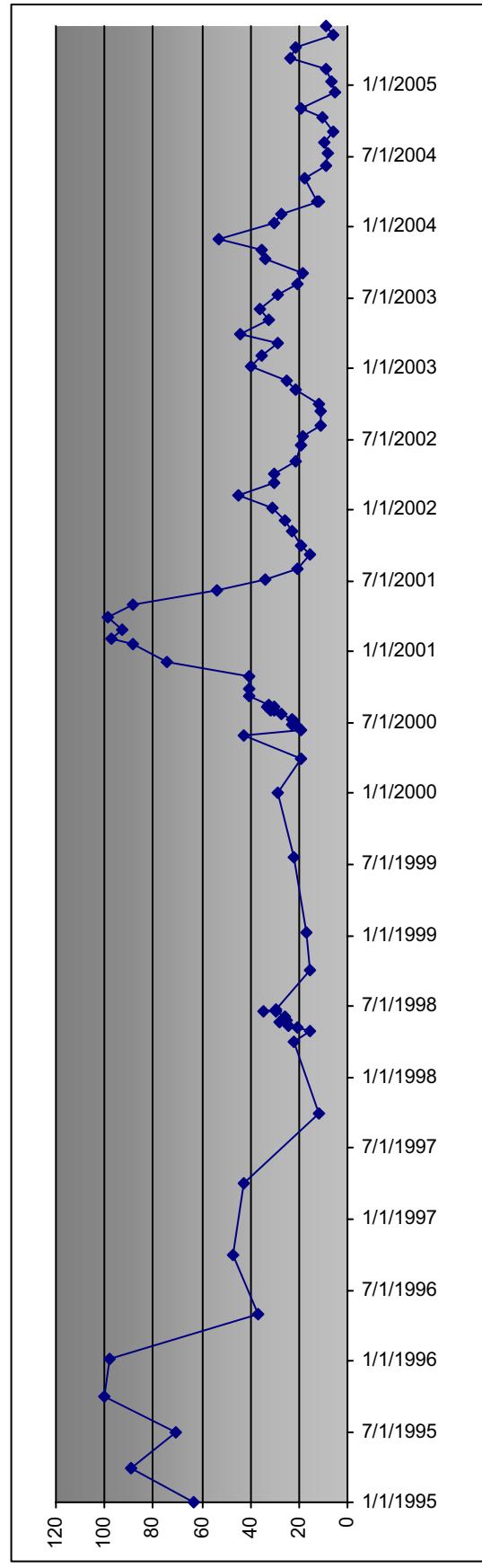


Figure F-13. Carbon Tetrachloride concentrations (ppmv) for Well Port 1V-1

Table F-14. Monitoring data for Well 1V-2 from January through June, 2005.

Well Port 1V-2	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 268429 ft	Northing 669620 ft	Purge Time 2 sec	Depth 42.5 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/11/2005 8:58 AM	1/11/2005 5:08 PM	6.31E+00	2.73E+00	7.56E-01	3.18E+00	6.51E+00	1.37E+03
2/10/2005 1:54 PM	2/10/2005 2:59 PM	4.60E+00	2.02E+00	1.09E+00	3.30E+00	8.08E+00	8.17E+03
3/8/2005 4:29 PM	3/9/2005 10:29 AM	8.63E+00	6.07E+00	1.43E+01	1.12E+01	1.92E+01	8.86E+03
4/5/2005 9:04 AM	4/6/2005 10:06 AM	7.62E+00	4.78E+00	9.77E+00	8.89E+00	1.94E+01	8.38E+03
5/11/2005 7:59 AM	5/11/2005 11:07 AM	3.51E+00	1.19E+00	7.86E-01	1.98E+00	6.49E+00	2.57E+04
6/1/2005 8:16 AM	6/2/2005 11:17 AM	4.13E+00	1.96E+00	1.94E+00	4.22E+00	8.71E+00	1.32E+04

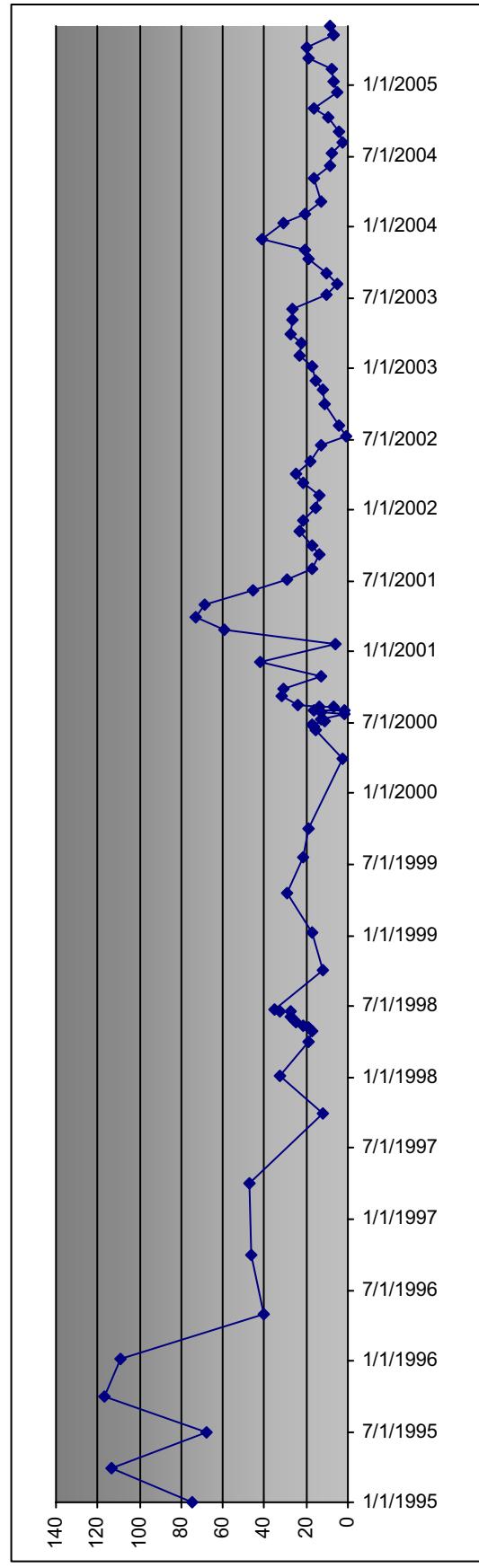


Figure F-14. Carbon Tetrachloride concentrations (ppmv) for Well Port 1V-2

Table F-15. Monitoring data for Well 2V-1 from January through June, 2005.

Well Port 2V-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 268259 ft	Northing 668846 ft	Purge Time 11 sec	Depth 198 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 4:35 PM	1/11/2005 4:14 PM	9.90E+00	5.23E+00	1.95E+00	7.10E+00	2.78E+01	1.38E+03
2/9/2005 1:50 PM	2/10/2005 1:17 PM	4.93E+00	2.53E+00	1.14E+00	3.43E+00	1.19E+01	5.10E+03
3/8/2005 4:17 PM	3/9/2005 10:59 AM	5.69E+00	3.53E+00	5.20E+00	5.20E+00	1.38E+01	9.63E+03
4/4/2005 9:06 AM	4/5/2005 9:41 AM	5.02E+00	3.95E+00	5.87E+00	5.30E+00	1.49E+01	8.23E+03
5/11/2005 8:15 AM	5/11/2005 11:55 AM	4.25E+00	2.01E+00	1.47E+00	4.37E+00	1.12E+01	2.27E+04
6/1/2005 9:15 AM	6/1/2005 8:00 AM	2.50E+00	8.78E-01	3.91E-01	1.01E+00	2.81E+00	1.44E+04

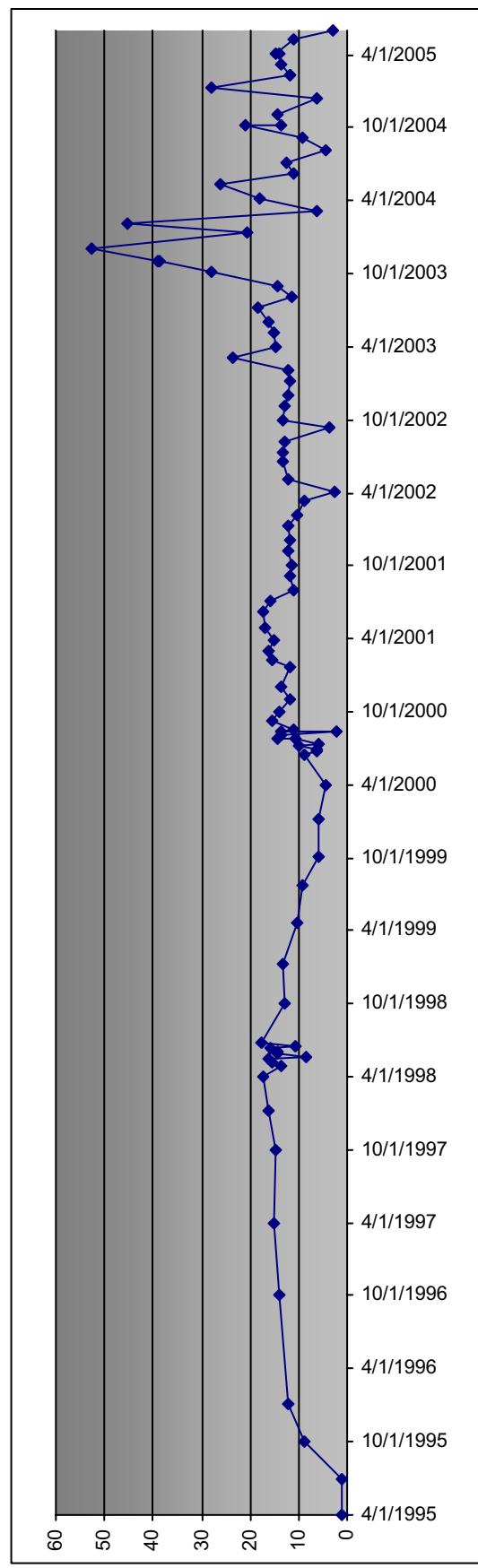


Figure F-15. Carbon Tetrachloride concentrations (ppmv) for Well Port 2V-1

Table F-16. Monitoring data for Well 2V-2 from January through June, 2005.

Well Port 2V-2	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 268259 ft	Northing 668846 ft	Purge Time 8 sec	Depth 147 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 4:36 PM	1/11/2005 4:17 PM	7.23E+00	3.42E+00	1.19E+00	5.22E+00	1.53E+01	1.38E+03
2/9/2005 1:51 PM	2/10/2005 1:23 PM	3.87E+00	1.90E+00	8.90E-01	3.02E+00	7.88E+00	5.28E+03
3/8/2005 4:18 PM	3/9/2005 11:02 AM	4.34E+00	2.89E+00	4.69E+00	4.61E+00	1.01E+01	9.52E+03
4/4/2005 9:07 AM	4/5/2005 9:47 AM	3.61E+00	2.94E+00	4.76E+00	3.94E+00	9.52E+00	8.32E+03
5/11/2005 8:16 AM	5/11/2005 11:58 AM	3.54E+00	1.54E+00	1.13E+00	3.45E+00	8.25E+00	2.22E+04
6/1/2005 8:20 AM	6/2/2005 1:11 PM	2.77E+00	1.29E+00	7.47E-01	2.43E+00	5.12E+00	1.19E+04

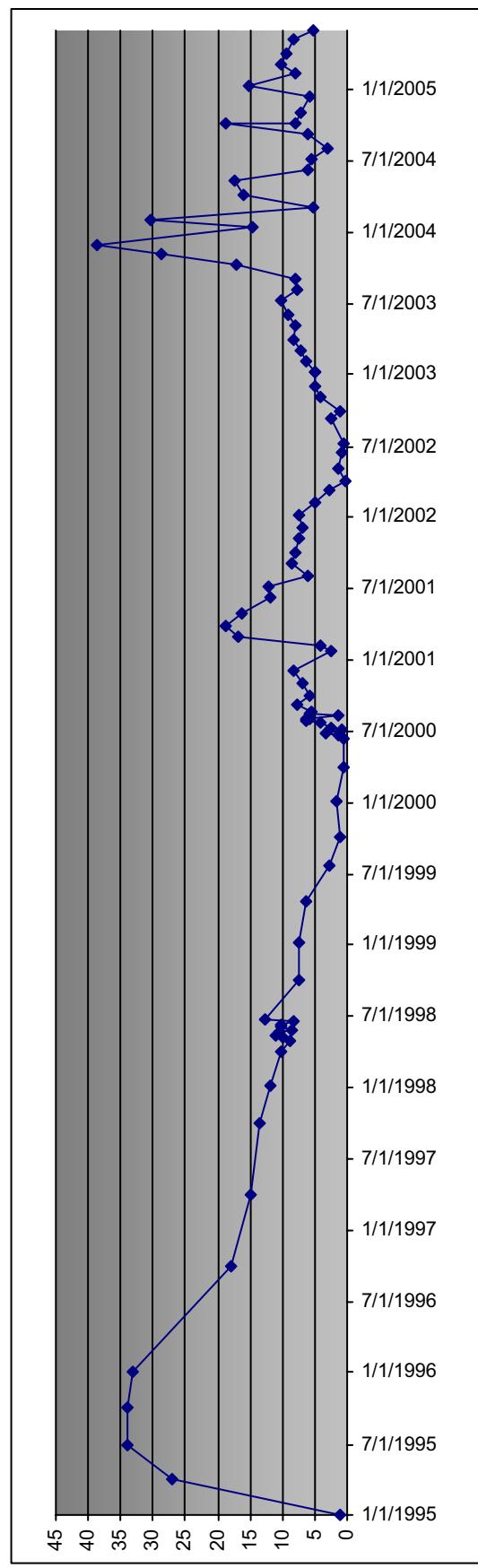


Figure F-16. Carbon Tetrachloride concentrations (ppmv) for Well Port 2V-2

Table F-17. Monitoring data for Well 2V-3 from January through June, 2005.

Well Port 2V-3	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 268259 ft	Northing 668846 ft	Purge Time 4 sec	Depth 66.5 ft
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Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 4:37 PM	1/11/2005 4:23 PM	6.34E+00	2.92E+00	1.02E+00	4.38E+00	1.08E+01	1.38E+03
2/9/2005 1:52 PM	2/10/2005 1:26 PM	3.89E+00	1.87E+00	9.25E-01	2.37E+00	6.11E+00	5.42E+03
3/8/2005 4:19 PM	3/9/2005 11:05 AM	4.19E+00	2.73E+00	4.32E+00	4.23E+00	9.13E+00	9.44E+03
4/4/2005 9:08 AM	4/5/2005 9:50 AM	3.82E+00	2.69E+00	4.22E+00	3.60E+00	8.76E+00	8.40E+03
5/11/2005 8:17 AM	5/11/2005 12:01 PM	3.24E+00	1.18E+00	9.08E-01	3.08E+00	7.19E+00	2.22E+04
6/1/2005 8:21 AM	6/2/2005 1:14 PM	3.15E+00	1.30E+00	7.89E-01	2.52E+00	4.92E+00	1.18E+04

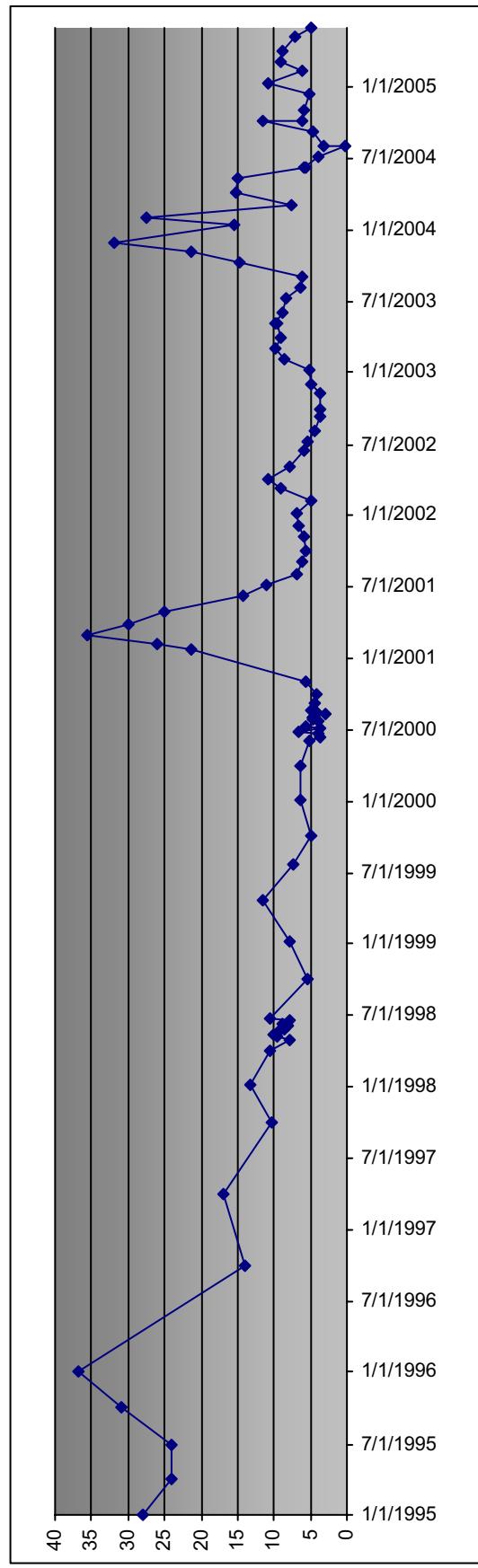


Figure F-17. Carbon Tetrachloride concentrations (ppmv) for Well Port 2V-3

Table F-18. Monitoring data for Well 2V-4 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
2V-4	☒	M	268259 ft	668846 ft	2 sec	42.5 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 4:38 PM	1/11/2005 4:26 PM	6.17E+00	2.76E+00	1.11E+00	4.23E+00	1.03E+01	1.38E+03
2/9/2005 1:53 PM	2/10/2005 1:29 PM	3.63E+00	1.83E+00	9.03E-01	2.35E+00	5.93E+00	5.44E+03
3/8/2005 4:20 PM	3/9/2005 11:08 AM	3.61E+00	2.27E+00	3.93E+00	3.63E+00	7.32E+00	9.51E+03
4/4/2005 9:09 AM	4/5/2005 9:53 AM	3.46E+00	2.55E+00	3.80E+00	3.30E+00	8.05E+00	8.36E+03
5/11/2005 8:18 AM	5/11/2005 12:04 PM	2.87E+00	9.49E-01	8.09E-01	2.55E+00	6.13E+00	2.27E+04
6/1/2005 8:22 AM	6/2/2005 1:17 PM	2.95E+00	1.25E+00	7.35E-01	2.52E+00	4.61E+00	1.17E+04

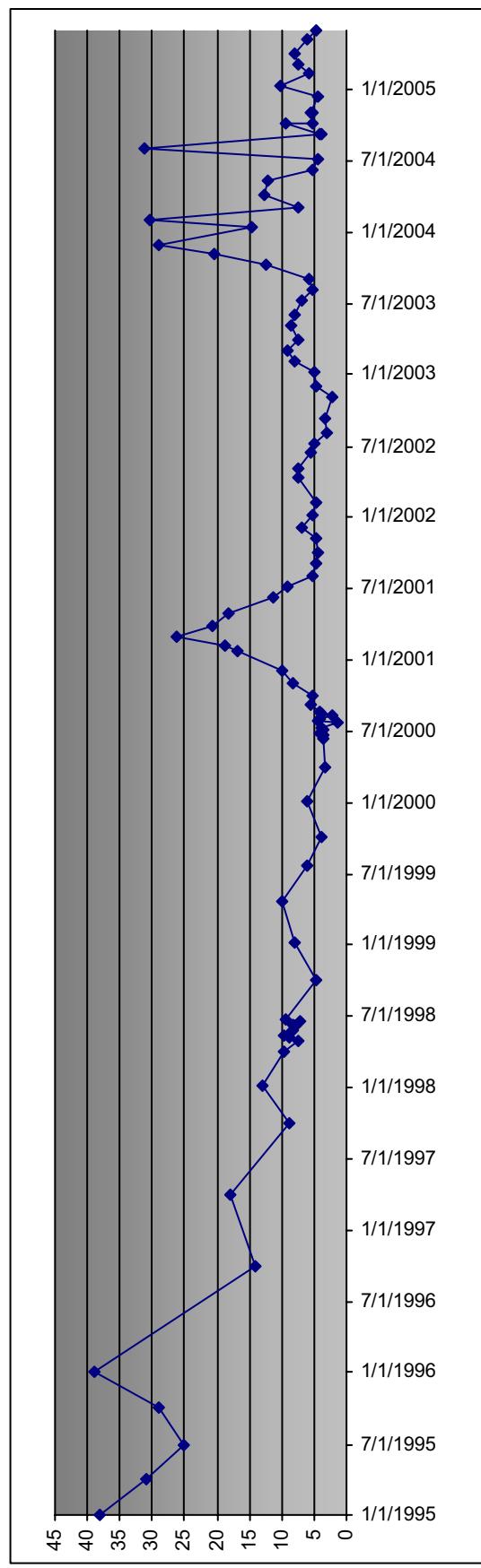


Figure F-18. Carbon Tetrachloride concentrations (ppmv) for Well Port 2V-4

Table F-19. Monitoring data for Well 3V-0 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
3V-0	<input checked="" type="checkbox"/>	M	267564 ft	669691 ft	sec	0 ft

No samples taken for this reporting period.

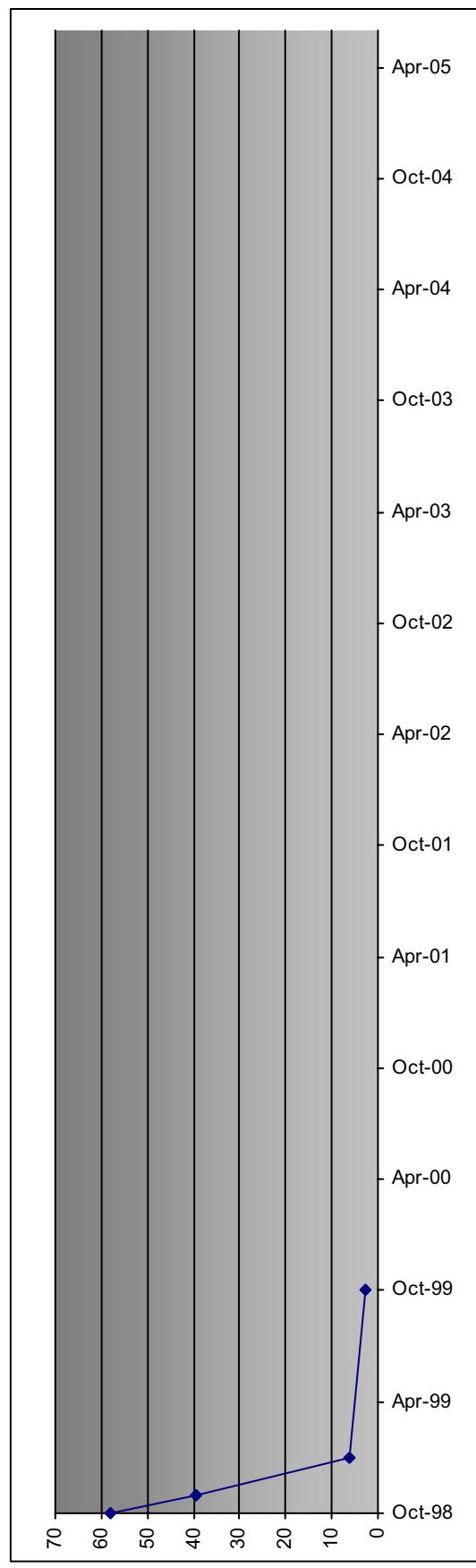


Figure F-19. Carbon Tetrachloride concentrations (ppmv) for Well Port 3V-0

Table F-20. Monitoring data for Well 3V-1 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
3V-1	<input checked="" type="checkbox"/>	M	267564 ft	669691 ft	36 sec	140 ft

No samples taken for this reporting period.

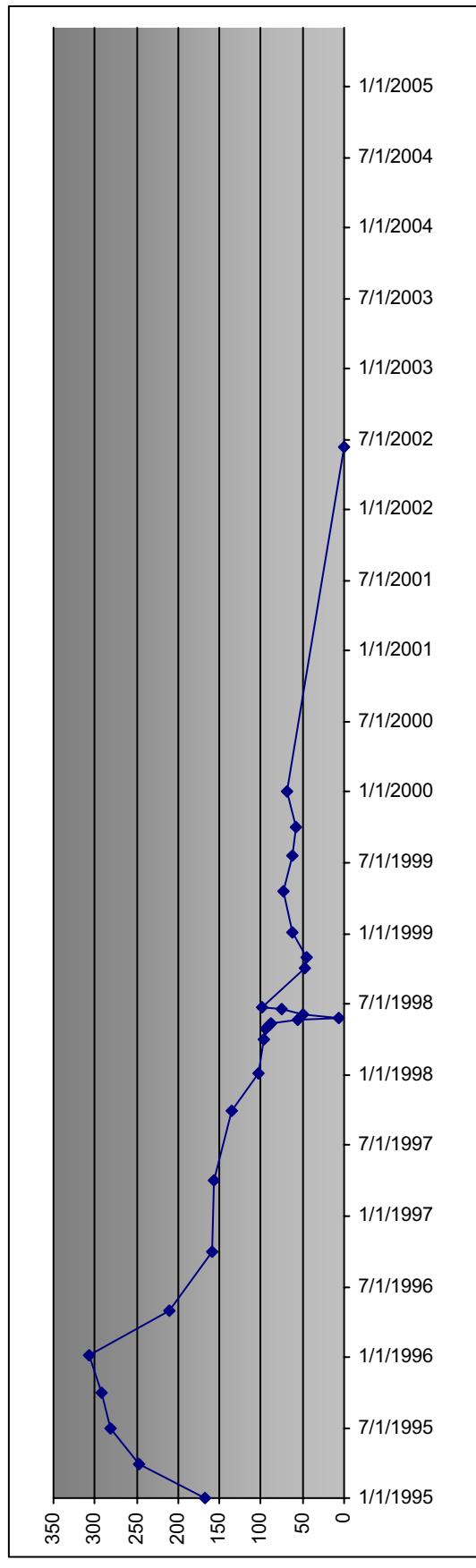


Figure F-20. Carbon Tetrachloride concentrations (ppmv) for Well Port 3V-1

Table F-21. Monitoring data for Well 3V-2 from January through June, 2005.

Well Port 3V-2	Inside Fence	Frequency	Easting 267564 ft	Northing 669691 ft	Purge Time 22 sec	Depth 86.5 ft
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No samples taken for this reporting period.

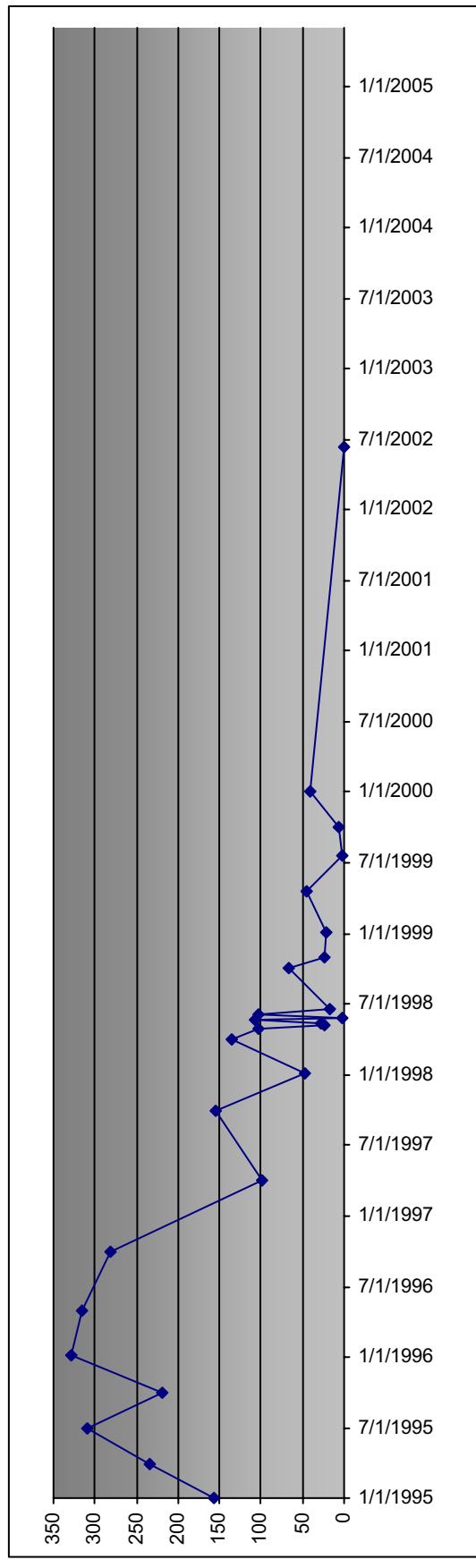


Figure F-21. Carbon Tetrachloride concentrations (ppmv) for Well Port 3V-2

Table F-22. Monitoring data for Well 3V-3 from January through June, 2005.

Well Port 3V-3	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267564 ft	Northing 669691 ft	Purge Time 3 sec	Depth 46.5 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 2:38 PM	1/11/2005 3:14 PM	1.29E+01	5.31E+00	2.15E+00	9.78E+00	3.24E+01	1.50E+03
2/9/2005 1:18 PM	2/10/2005 1:50 PM	7.76E+00	3.28E+00	1.16E+00	5.11E+00	1.91E+01	5.52E+03
3/8/2005 9:50 AM	3/9/2005 11:23 AM	6.40E+00	3.43E+00	3.17E+00	5.14E+00	1.60E+01	1.01E+04
4/4/2005 9:40 AM	4/5/2005 10:05 AM	8.41E+00	4.20E+00	3.60E+00	8.22E+00	2.54E+01	8.47E+03
5/10/2005 11:37 AM	5/11/2005 12:07 PM	6.88E+00	2.86E+00	1.23E+00	5.20E+00	1.86E+01	2.14E+04
6/1/2005 11:38 AM	6/2/2005 2:23 PM	1.18E+01	4.44E+00	2.89E+00	1.74E+01	4.58E+01	1.22E+04

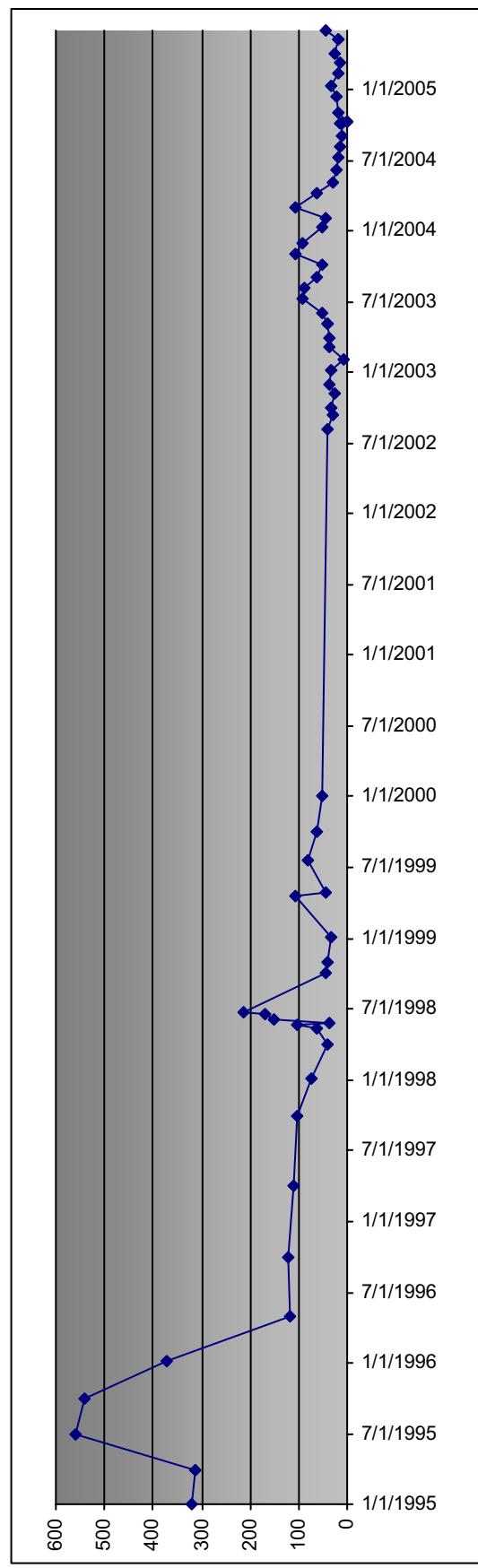


Figure F-22 Carbon Tetrachloride concentrations (ppmv) for Well Port 3V-3

Table F-23. Monitoring data for Well 3V-4 from January through June, 2005.

Well Port 3V-4	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267564 ft	Northing 669691 ft	Purge Time 2 sec	Depth 34.5 ft
1/10/2005	2:39 PM	1/11/2005	3:17 PM	8.74E+00	1.67E+00	8.07E+00
2/9/2005	1:19 PM	2/10/2005	1:53 PM	4.86E+00	1.81E+00	7.82E-01
3/8/2005	9:51 AM	3/9/2005	11:26 AM	4.30E+00	2.28E+00	2.64E+00
4/4/2005	9:41 AM	4/5/2005	10:08 AM	5.62E+00	2.71E+00	6.38E+00
5/10/2005	11:40 AM	5/11/2005	12:13 PM	4.77E+00	1.74E+00	1.09E+00
6/1/2005	11:39 AM	6/2/2005	2:26 PM	6.99E+00	2.06E+00	1.85E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	2:39 PM	1/11/2005	3:17 PM	8.74E+00	1.67E+00	8.07E+00	2.11E+01
2/9/2005	1:19 PM	2/10/2005	1:53 PM	4.86E+00	1.81E+00	7.82E-01	1.09E+01
3/8/2005	9:51 AM	3/9/2005	11:26 AM	4.30E+00	2.28E+00	2.64E+00	4.74E+00
4/4/2005	9:41 AM	4/5/2005	10:08 AM	5.62E+00	2.71E+00	2.92E+00	6.38E+00
5/10/2005	11:40 AM	5/11/2005	12:13 PM	4.77E+00	1.74E+00	1.09E+00	4.91E+00
6/1/2005	11:39 AM	6/2/2005	2:26 PM	6.99E+00	2.06E+00	1.85E+00	2.08E+04

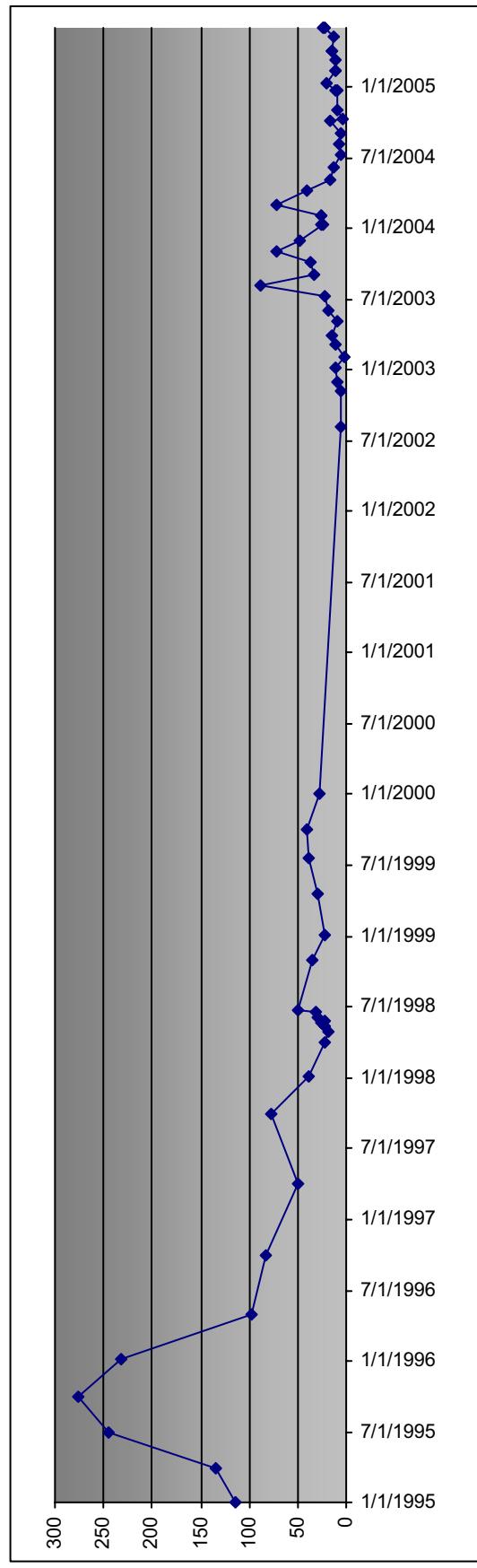


Figure F-23. Carbon Tetrachloride concentrations (ppmv) for Well Port 3V-4

Table F-24. Monitoring data for Well 4V-1 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
4V-1	<input checked="" type="checkbox"/>	M	267320 ft	668980 ft	11 sec	199 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 10:51 AM	1/12/2005 12:05 PM	5.65E+00	3.10E+00	6.79E+00	4.72E+00	7.88E+00	9.40E+02
2/10/2005 9:34 AM	2/10/2005 3:29 PM	5.29E+00	1.55E+00	7.64E-01	2.98E+00	8.44E+00	6.30E+03
3/8/2005 11:04 AM	3/9/2005 11:38 AM	7.83E+00	2.28E+00	2.35E+00	7.00E+00	1.91E+01	9.95E+03
4/4/2005 10:34 AM	4/5/2005 10:23 AM	9.31E+00	2.74E+00	2.79E+00	1.01E+01	2.79E+01	8.34E+03
5/10/2005 1:17 PM	5/11/2005 12:16 PM	5.61E+00	1.22E+00	9.16E-01	4.08E+00	1.23E+01	1.91E+04
6/1/2005 3:24 PM	6/2/2005 2:56 PM	5.73E+00	3.48E+00	9.47E+00	7.18E+00	8.16E+00	1.17E+04

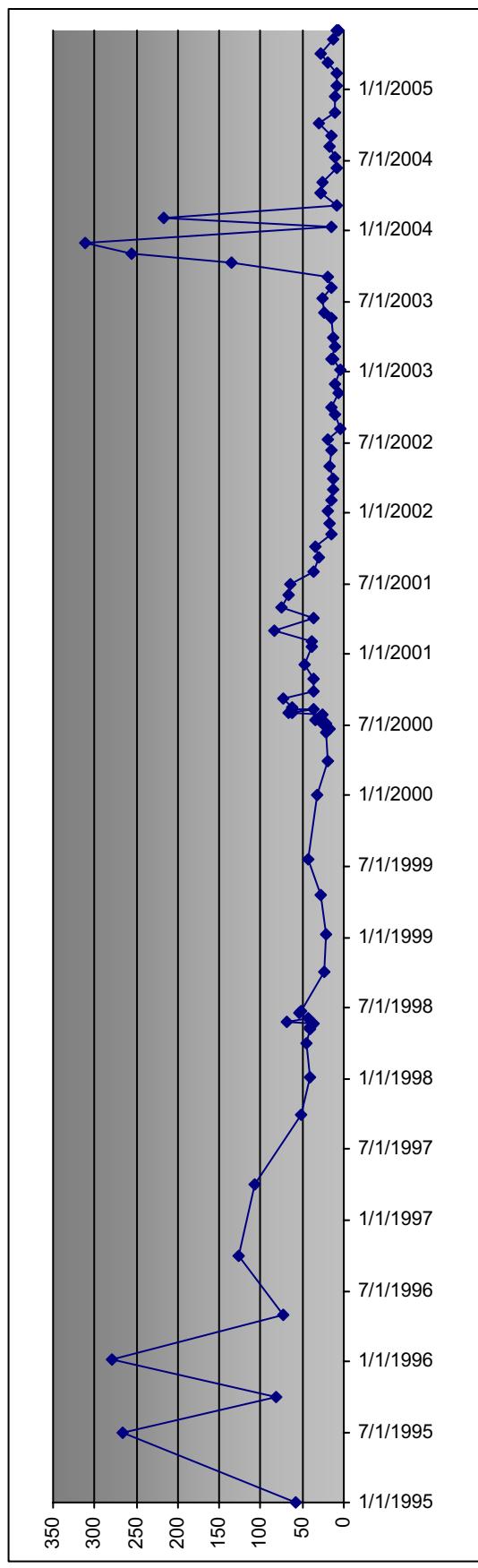


Figure F-24. Carbon Tetrachloride concentrations (ppmv) for Well Port 4V-1

Table F-25. Monitoring data for Well 4V-2 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
4V-2	<input checked="" type="checkbox"/>	M	267320 ft	668980 ft	10 sec	169 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 10:52 AM	1/12/2005 12:08 PM	5.32E+00	2.94E+00	6.21E+00	4.39E+00	6.82E+00	9.35E+02
2/10/2005 9:35 AM	2/10/2005 3:32 PM	4.24E+00	1.48E+00	7.49E-01	2.35E+00	6.47E+00	6.29E+03
3/8/2005 11:05 AM	3/9/2005 11:41 AM	5.70E+00	1.97E+00	2.20E+00	5.90E+00	1.48E+01	1.01E+04
4/4/2005 10:35 AM	4/5/2005 10:26 AM	6.34E+00	2.26E+00	2.51E+00	7.82E+00	1.83E+01	8.34E+03
5/10/2005 1:19 PM	5/11/2005 12:19 PM	3.82E+00	1.05E+00	7.21E-01	3.61E+00	9.39E+00	1.96E+04
6/1/2005 3:25 PM	6/2/2005 3:05 PM	4.09E+00	2.11E+00	5.47E+00	4.26E+00	5.77E+00	1.19E+04

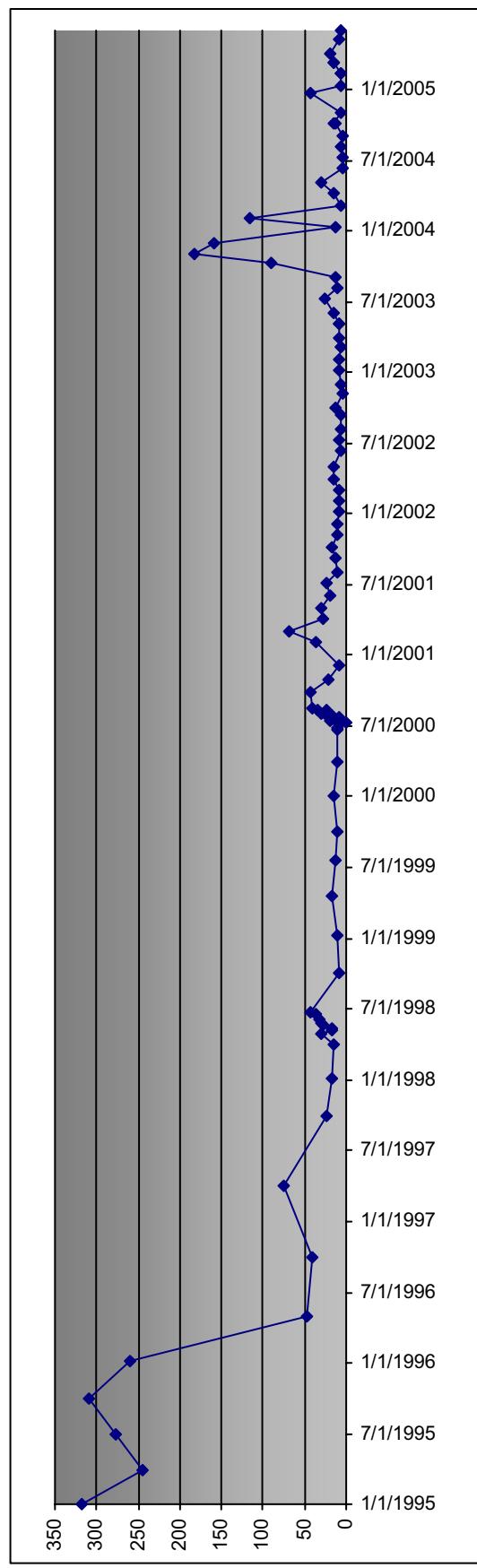


Figure F-25. Carbon Tetrachloride concentrations (ppmv) for Well Port 4V-2

Table F-26. Monitoring data for Well 4V-3 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
4V-3	<input checked="" type="checkbox"/>	M	267320 ft	668980 ft	4 sec	67.5 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 10:53 AM	1/12/2005 12:11 PM	5.08E+00	2.79E+00	5.77E+00	3.86E+00	5.92E+00	9.26E+02
2/10/2005 9:36 AM	2/10/2005 3:38 PM	3.35E+00	1.13E+00	5.61E-01	1.89E+00	4.12E+00	6.42E+03
3/8/2005 11:06 AM	3/9/2005 11:48 AM	2.00E+00	7.79E-01	1.22E+00	1.85E+00	2.85E+00	1.08E+04
4/4/2005 10:36 AM	4/5/2005 10:29 AM	5.01E+00	1.85E+00	2.04E+00	6.69E+00	1.53E+01	8.37E+03
5/10/2005 1:20 PM	5/11/2005 12:22 PM	2.34E+00	8.09E-01	6.06E-01	2.62E+00	5.57E+00	1.75E+04
6/1/2005 3:26 PM	6/2/2005 3:08 PM	3.26E+00	1.68E+00	4.25E+00	3.45E+00	4.21E+00	1.17E+04

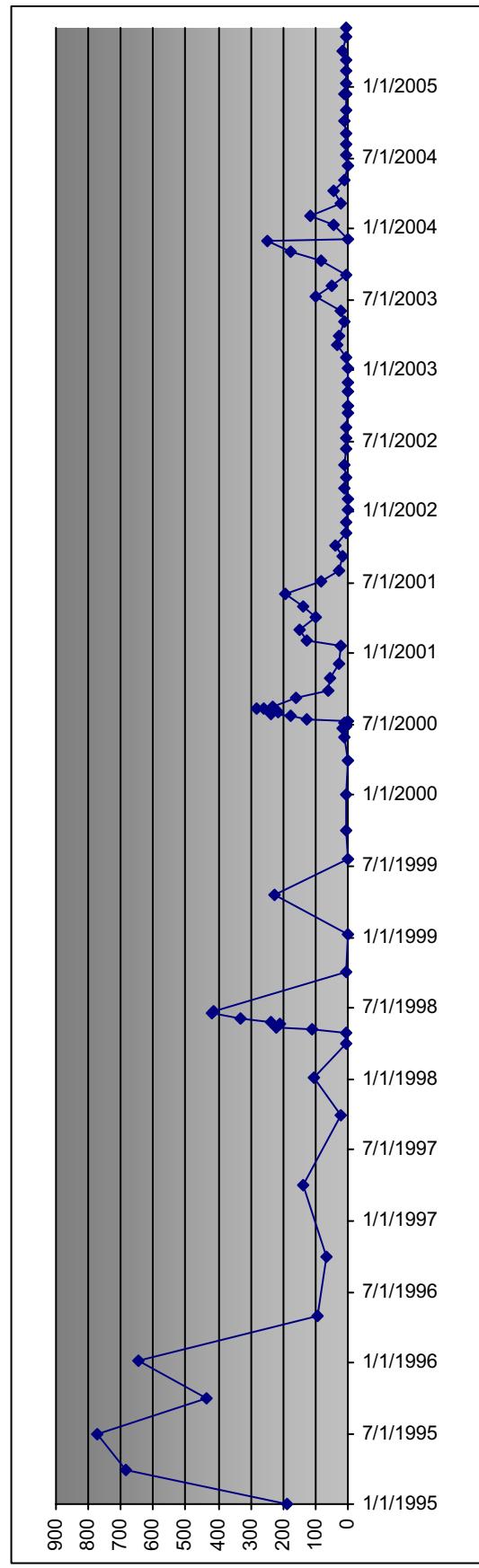


Figure F-26. Carbon Tetrachloride concentrations (ppmv) for Well Port 4V-3

Table F-27. Monitoring data for Well 4V-4 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
4V-4	<input checked="" type="checkbox"/>	M	267320 ft	668980 ft	2 sec	34.5 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 10:54 AM	1/12/2005 12:14 PM	4.85E+00	2.63E+00	5.20E+00	3.34E+00	5.02E+00	9.25E+02
2/10/2005 9:37 AM	2/10/2005 3:41 PM	2.78E+00	8.60E-01	4.44E-01	1.64E+00	3.07E+00	5.99E+03
3/8/2005 11:07 AM	3/9/2005 11:50 AM	3.33E+00	1.20E+00	1.59E+00	4.03E+00	7.69E+00	1.01E+04
4/4/2005 10:37 AM	4/5/2005 10:32 AM	3.55E+00	1.38E+00	1.89E+00	4.96E+00	9.06E+00	8.34E+03
5/10/2005 1:21 PM	5/11/2005 12:25 PM	2.07E+00	3.91E-01	5.93E-01	1.84E+00	3.79E+00	1.98E+04
6/1/2005 3:27 PM	6/2/2005 3:11 PM	2.71E+00	1.30E+00	3.70E+00	2.96E+00	3.16E+00	1.19E+04

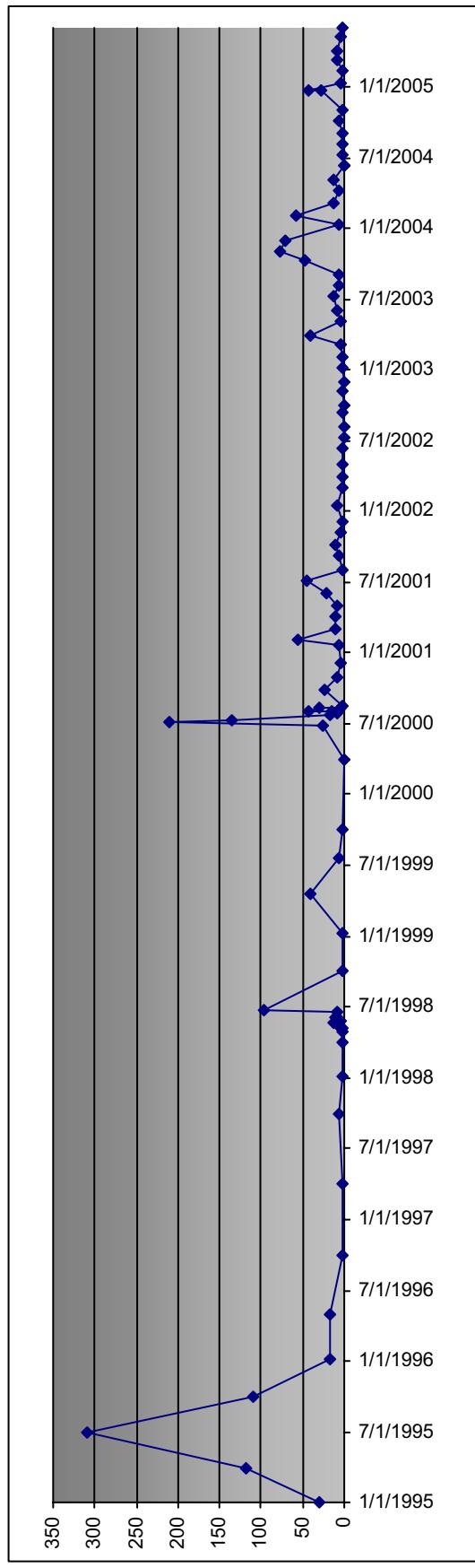


Figure F-27. Carbon Tetrachloride concentrations (ppmv) for Well Port 4V-4

Table F-28. Monitoring data for Well 5V-1 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
5V-1	☒	M	266555 ft	668886 ft	9 sec	150 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 11:22 AM	1/11/2005 3:29 PM	4.30E+00	1.78E+00	6.25E-01	2.04E+00	3.78E+00	1.40E+03
2/9/2005 2:35 PM	2/10/2005 2:08 PM	2.86E+00	1.12E+00	6.51E-01	1.80E+00	4.42E+00	5.55E+03
3/8/2005 11:09 AM	3/9/2005 11:59 AM	3.68E+00	1.28E+00	1.20E+00	3.69E+00	8.00E+00	1.00E+04
4/5/2005 2:42 PM	4/6/2005 11:15 AM	2.59E+00	9.85E-01	1.33E+00	1.22E+00	3.11E+00	8.43E+03
5/10/2005 2:49 PM	5/11/2005 12:28 PM	2.55E+00	7.33E-01	1.09E+00	2.80E+00	6.81E+00	1.83E+04
6/1/2005 3:30 PM	6/2/2005 12:53 PM	2.11E+00	5.88E-01	5.76E-01	1.18E+00	2.41E+00	1.45E+04

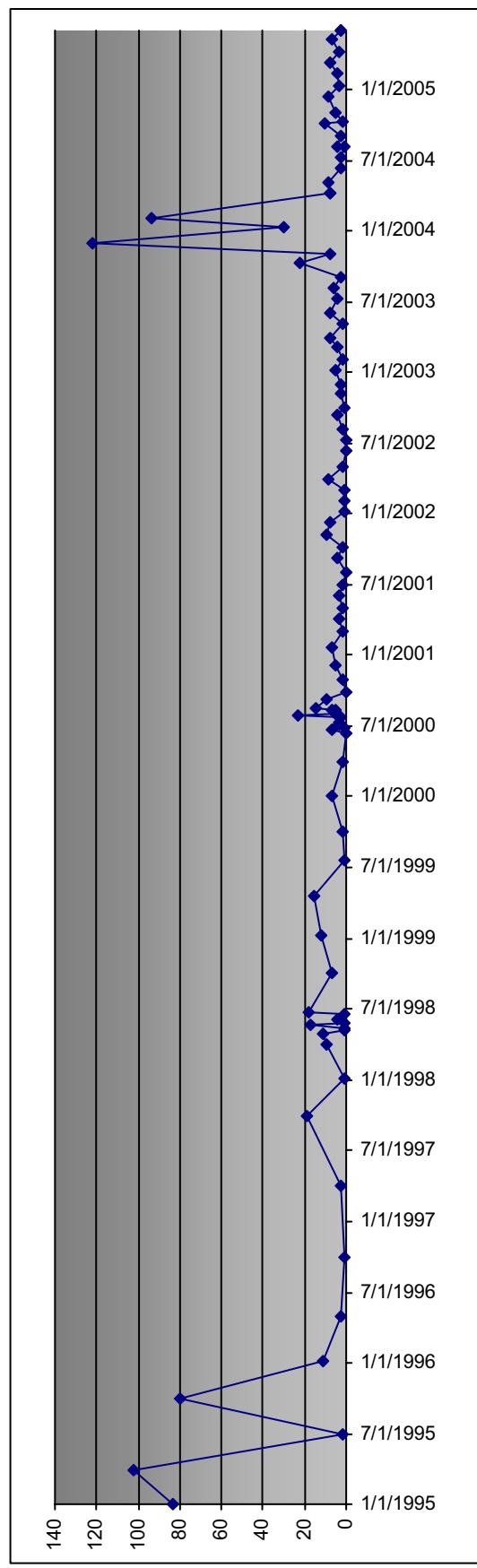


Figure F-28. Carbon Tetrachloride concentrations (ppmv) for Well Port 5V-1

Table F-29. Monitoring data for Well 5V-2 from January through June, 2005.

Well Port 5V-2	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266555 ft	Northing 668886 ft	Purge Time 5 sec	Depth 84.5 ft
1/10/2005 11:23 AM		1/11/2005	3:32 PM	4.19E+00	1.65E+00	6.86E-01
2/9/2005 2:36 PM		2/10/2005	2:11 PM	2.73E+00	9.22E-01	4.81E-01
3/8/2005 11:10 AM		3/9/2005	12:02 PM	3.15E+00	1.02E+00	1.20E+00
4/5/2005 2:43 PM		4/6/2005	11:21 AM	2.69E+00	1.13E+00	1.22E+00
5/10/2005 2:52 PM		5/11/2005	12:31 PM	2.89E+00	7.63E-01	1.06E+00
6/1/2005 3:31 PM		6/2/2005	1:02 PM	2.18E+00	5.38E-01	1.15E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 11:23 AM	1/11/2005 3:32 PM	4.19E+00	1.65E+00	6.86E-01	1.89E+00	3.09E+00	1.39E+03
2/9/2005 2:36 PM	2/10/2005 2:11 PM	2.73E+00	9.22E-01	4.81E-01	1.70E+00	3.93E+00	5.49E+03
3/8/2005 11:10 AM	3/9/2005 12:02 PM	3.15E+00	1.02E+00	1.20E+00	3.37E+00	6.57E+00	1.01E+04
4/5/2005 2:43 PM	4/6/2005 11:21 AM	2.69E+00	1.13E+00	1.22E+00	1.56E+00	3.12E+00	8.54E+03
5/10/2005 2:52 PM	5/11/2005 12:31 PM	2.89E+00	7.63E-01	1.06E+00	2.95E+00	7.18E+00	1.89E+04
6/1/2005 3:31 PM	6/2/2005 1:02 PM	2.18E+00	5.38E-01	1.15E+00	2.18E+00	2.18E+00	1.38E+04

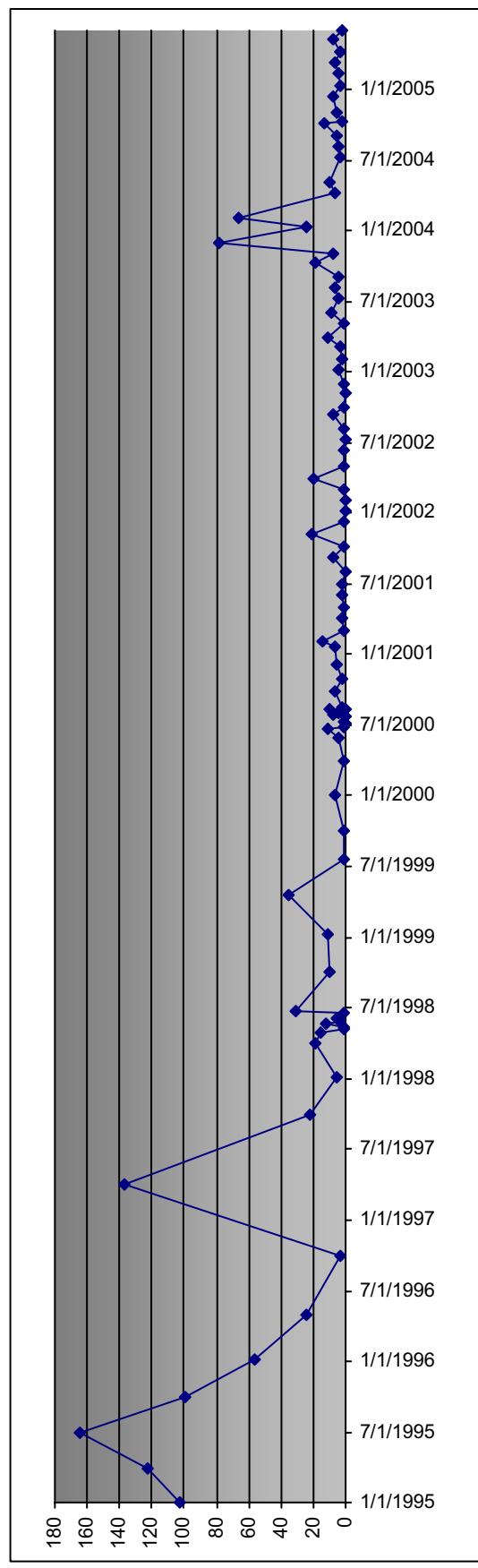


Figure F-29. Carbon Tetrachloride concentrations (ppmv) for Well Port 5V-2

Table F-30. Monitoring data for Well 5V-3 from January through June, 2005.

Well Port 5V-3	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266555 ft	Northing 668886 ft	Purge Time 3 sec	Depth 48.5 ft
1/10/2005 11:24 AM		1/11/2005	3:35 PM	5.10E+00	2.05E+00	6.51E-01
2/9/2005 2:37 PM		2/10/2005	2:14 PM	3.43E+00	1.47E+00	5.76E-01
3/8/2005 11:11 AM		3/9/2005	12:05 PM	3.48E+00	1.20E+00	1.11E+00
5/10/2005 2:53 PM		5/11/2005	12:34 PM	2.60E+00	9.50E-01	1.22E+00
6/1/2005 3:32 PM		6/2/2005	1:05 PM	2.03E+00	7.82E-01	4.87E-01

Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 11:24 AM	1/11/2005 3:35 PM	5.10E+00	2.05E+00	6.51E-01	2.07E+00	3.54E+00	1.66E+03
2/9/2005 2:37 PM	2/10/2005 2:14 PM	3.43E+00	1.47E+00	5.76E-01	1.96E+00	4.52E+00	5.69E+03
3/8/2005 11:11 AM	3/9/2005 12:05 PM	3.48E+00	1.20E+00	1.11E+00	3.25E+00	6.83E+00	1.02E+04
5/10/2005 2:53 PM	5/11/2005 12:34 PM	2.60E+00	9.50E-01	1.22E+00	2.73E+00	6.42E+00	1.69E+04
6/1/2005 3:32 PM	6/2/2005 1:05 PM	2.03E+00	7.82E-01	4.87E-01	1.25E+00	2.21E+00	1.34E+04

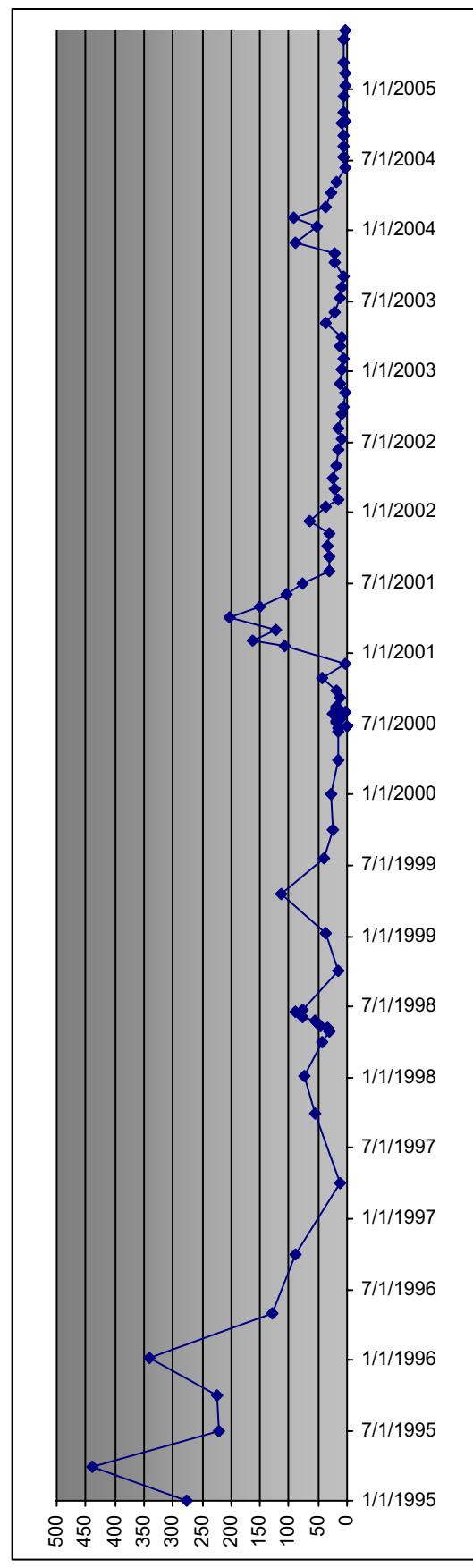


Figure F-30. Carbon Tetrachloride concentrations (ppmv) for Well Port 5V-3

Table F-31. Monitoring data for Well 6V-1 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
6V-1	<input checked="" type="checkbox"/>	M	266351 ft	669689 ft	13 sec	227 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 3:45 PM	1/11/2005 1:56 PM	1.08E+01	4.56E+00	3.53E+00	7.52E+00	2.43E+01	1.47E+03
2/10/2005 10:00 AM	2/10/2005 3:44 PM	6.51E+00	2.73E+00	1.26E+00	2.73E+00	1.11E+01	6.66E+03
3/8/2005 2:23 PM	3/9/2005 12:08 PM	8.07E+00	3.53E+00	2.64E+00	6.09E+00	2.27E+01	1.03E+04
4/5/2005 3:18 PM	4/6/2005 11:36 AM	6.51E+00	2.73E+00	2.04E+00	3.19E+00	1.31E+01	8.55E+03
5/10/2005 2:37 PM	5/11/2005 12:37 PM	7.58E+00	3.08E+00	2.41E+00	5.35E+00	2.23E+01	1.77E+04
6/1/2005 1:11 PM	6/2/2005 9:50 AM	1.71E+01	1.19E+01	2.21E+01	2.17E+01	4.63E+01	1.56E+04

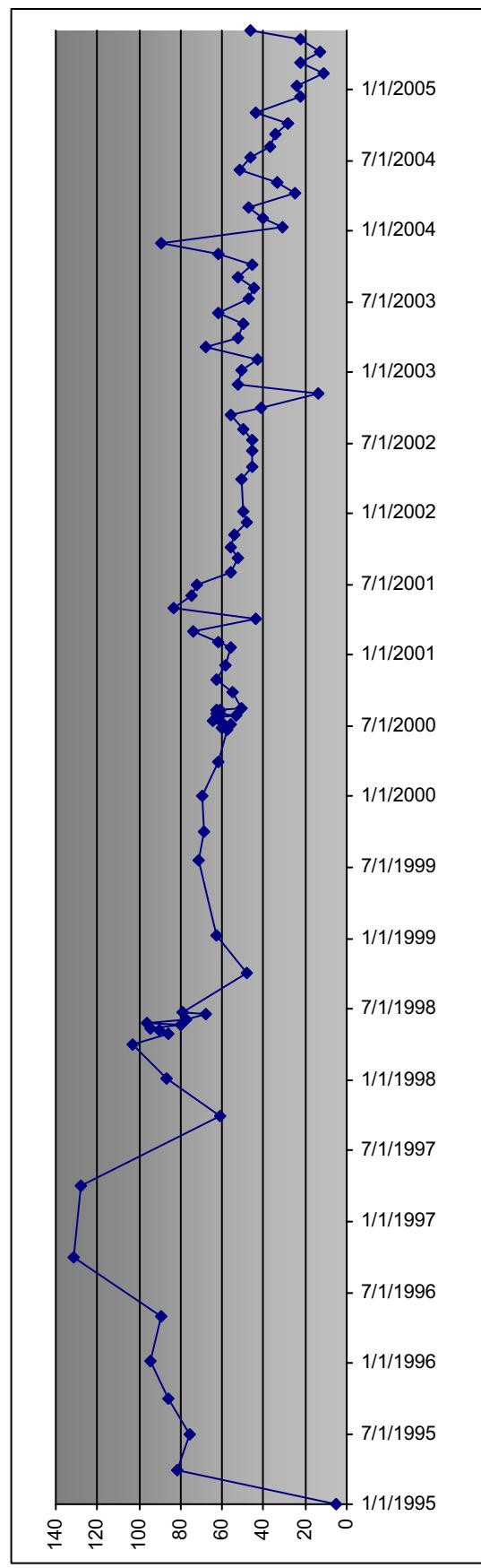


Figure F-31. Carbon Tetrachloride concentrations (ppmv) for Well Port 6V-1

Table F-32. Monitoring data for Well 6V-2 from January through June, 2005.

Well Port 6V-2	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266351 ft	Northing 669689 ft	Purge Time 10 sec	Depth 166 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 3:46 PM	1/11/2005 1:59 PM	1.01E+01	4.30E+00	3.34E+00	7.48E+00	2.10E+01	1.47E+03
2/10/2005 10:01 AM	2/10/2005 3:47 PM	6.64E+00	2.70E+00	1.41E+00	3.06E+00	1.16E+01	6.39E+03
3/8/2005 2:24 PM	3/9/2005 12:11 PM	8.23E+00	3.51E+00	2.72E+00	6.78E+00	2.00E+01	1.04E+04
4/5/2005 3:18 PM	4/6/2005 11:36 AM	6.58E+00	2.65E+00	1.96E+00	3.88E+00	1.19E+01	8.58E+03
5/10/2005 2:39 PM	5/11/2005 12:40 PM	6.47E+00	2.57E+00	2.13E+00	5.37E+00	1.63E+01	1.74E+04
6/1/2005 1:12 PM	6/2/2005 9:53 AM	1.32E+01	8.77E+00	1.70E+01	1.72E+01	2.41E+01	1.69E+04

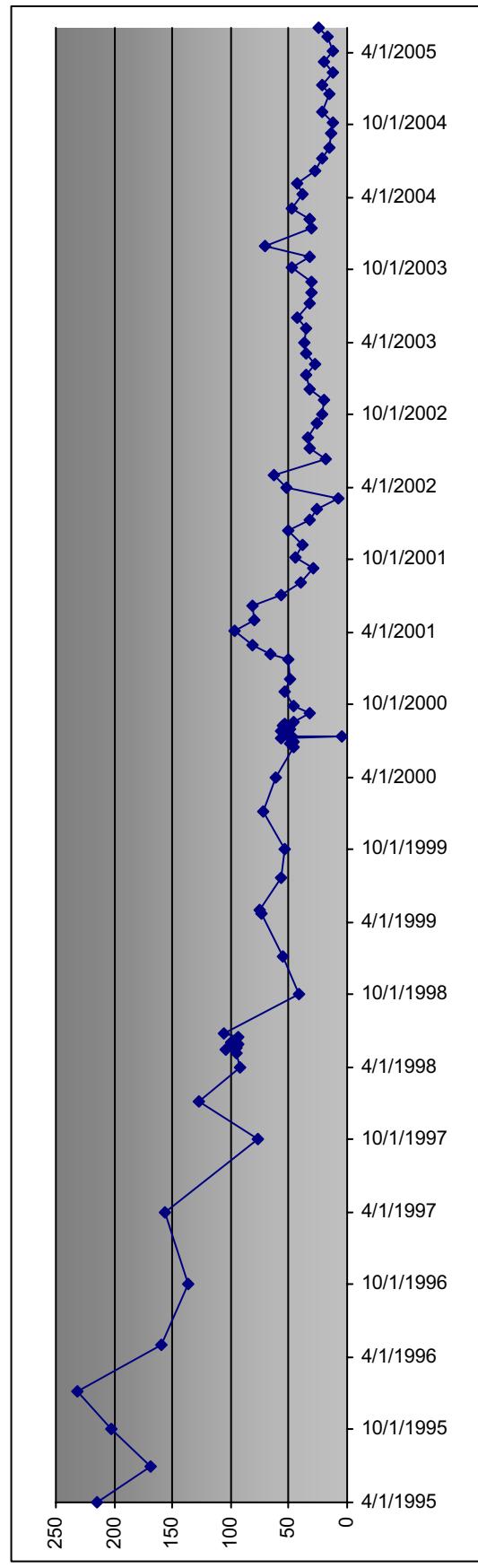


Figure F-32. Carbon Tetrachloride concentrations (ppmv) for Well Port 6V-2

Table F-33. Monitoring data for Well 6V-3 from January through June, 2005.

Well Port 6V-3	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266351 ft	Northing 669689 ft	Purge Time 5 sec	Depth 92.5 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 3:47 PM	1/11/2005 2:02 PM	7.14E+00	2.91E+00	2.65E+00	6.02E+00	1.43E+01	1.45E+03
2/10/2005 10:02 AM	2/10/2005 3:50 PM	3.75E+00	1.36E+00	6.13E-01	2.51E+00	7.17E+00	6.18E+03
3/8/2005 2:25 PM	3/9/2005 12:14 PM	3.86E+00	1.44E+00	1.88E+00	4.46E+00	9.55E+00	1.03E+04
4/5/2005 3:20 PM	4/6/2005 11:39 AM	3.36E+00	1.20E+00	1.20E+00	2.76E+00	5.52E+00	8.52E+03
5/10/2005 2:40 PM	5/11/2005 12:43 PM	7.12E+00	2.25E+00	2.09E+00	5.02E+00	1.55E+01	2.04E+04
6/1/2005 1:13 PM	6/2/2005 9:56 AM	1.01E+01	6.48E+00	1.35E+01	1.29E+01	1.66E+01	1.58E+04

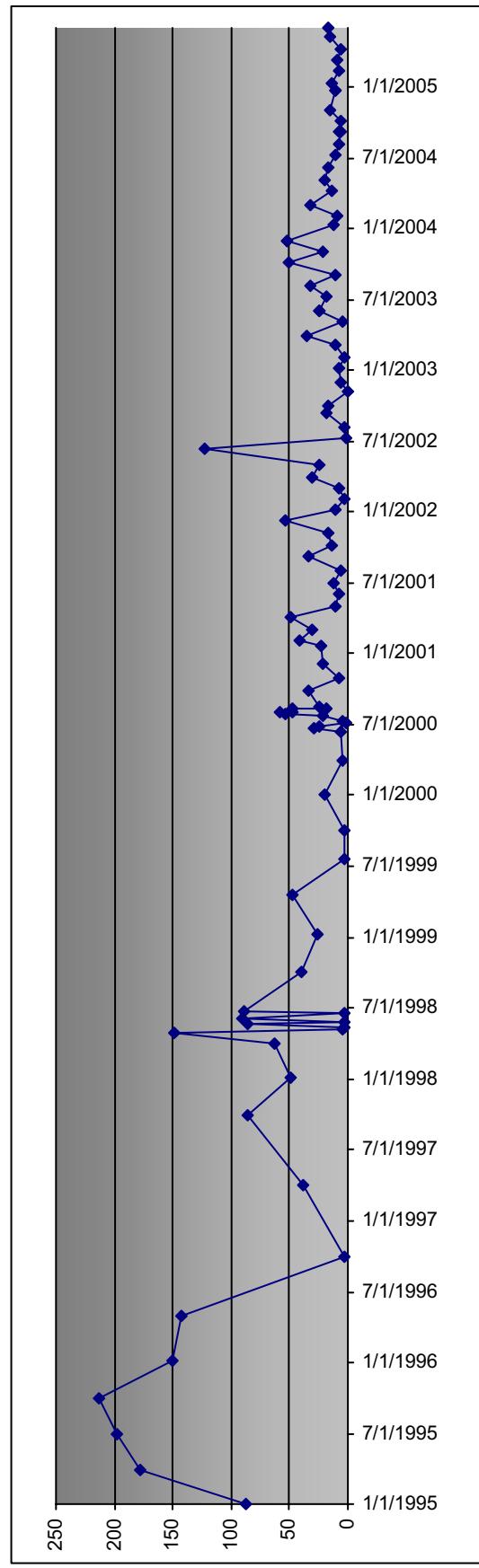


Figure F-33. Carbon Tetrachloride concentrations (ppmv) for Well Port 6V-3

Table F-34. Monitoring data for Well 6V-4 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
6V-4	<input checked="" type="checkbox"/>	M	266351 ft	669689 ft	4 sec	62.5 ft
1/10/2005	3:48 PM	1/11/2005	2:05 PM	6.68E+00	2.39E+00	5.42E+01
2/10/2005	10:03 AM	2/10/2005	3:53 PM	4.47E+00	1.91E+00	2.71E+00
3/8/2005	2:26 PM	3/9/2005	12:17 PM	4.43E+00	1.87E+00	1.92E+00
4/5/2005	3:21 PM	4/6/2005	11:42 AM	2.63E+00	9.72E-01	8.98E-01
5/10/2005	2:41 PM	5/11/2005	12:46 PM	3.37E+00	1.26E+00	1.56E+00
6/1/2005	1:14 PM	6/2/2005	9:59 AM	7.61E+00	5.28E+00	1.09E+01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 3:48 PM	1/11/2005 2:05 PM	6.68E+00	2.87E+00	2.39E+00	5.42E+01	1.22E+00	1.46E+03
2/10/2005 10:03 AM	2/10/2005 3:53 PM	4.47E+00	1.91E+00	8.29E-01	2.71E+00	6.89E+00	6.53E+03
3/8/2005 2:26 PM	3/9/2005 12:17 PM	4.43E+00	1.87E+00	1.92E+00	4.24E+00	8.95E+00	1.07E+04
4/5/2005 3:21 PM	4/6/2005 11:42 AM	2.63E+00	9.72E-01	8.98E-01	1.70E+00	2.81E+00	8.65E+03
5/10/2005 2:41 PM	5/11/2005 12:46 PM	3.37E+00	1.26E+00	1.56E+00	3.90E+00	8.88E+00	1.69E+04
6/1/2005 1:14 PM	6/2/2005 9:59 AM	7.61E+00	5.28E+00	1.09E+01	1.00E+01	1.03E+01	1.59E+04

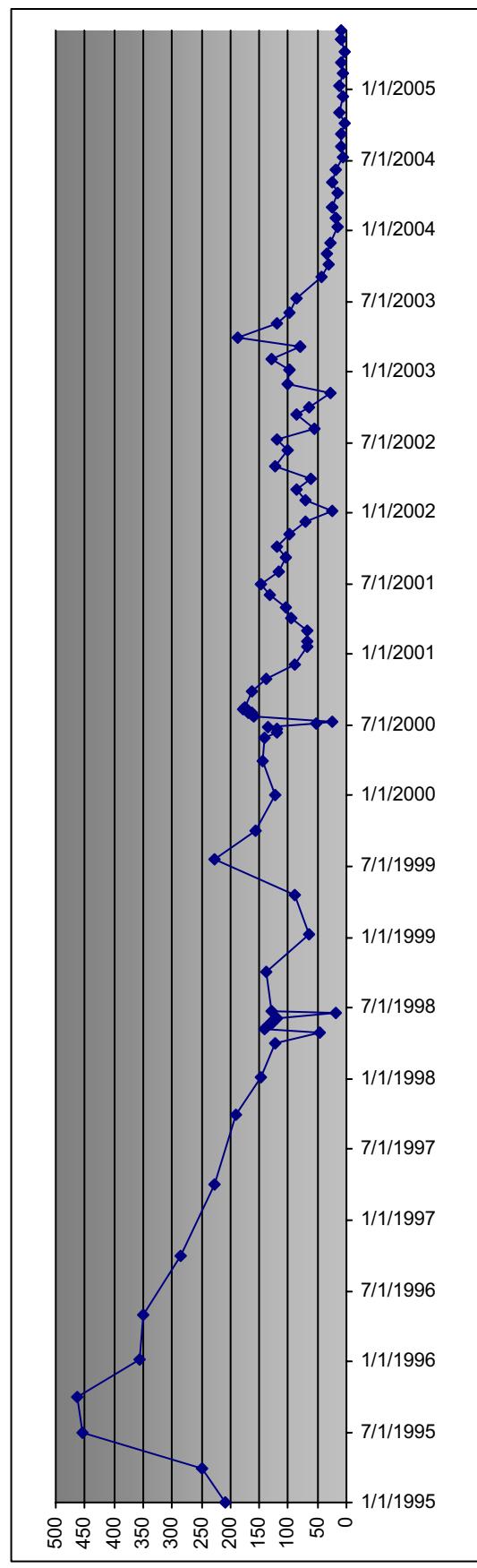


Figure F-34. Carbon Tetrachloride concentrations (ppmv) for Well Port 6V-4

Table F-35. Monitoring data for Well 7V-0 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
7V-0	<input checked="" type="checkbox"/>	M	266113 ft	669371 ft	sec	0 ft

No samples taken for this reporting period.

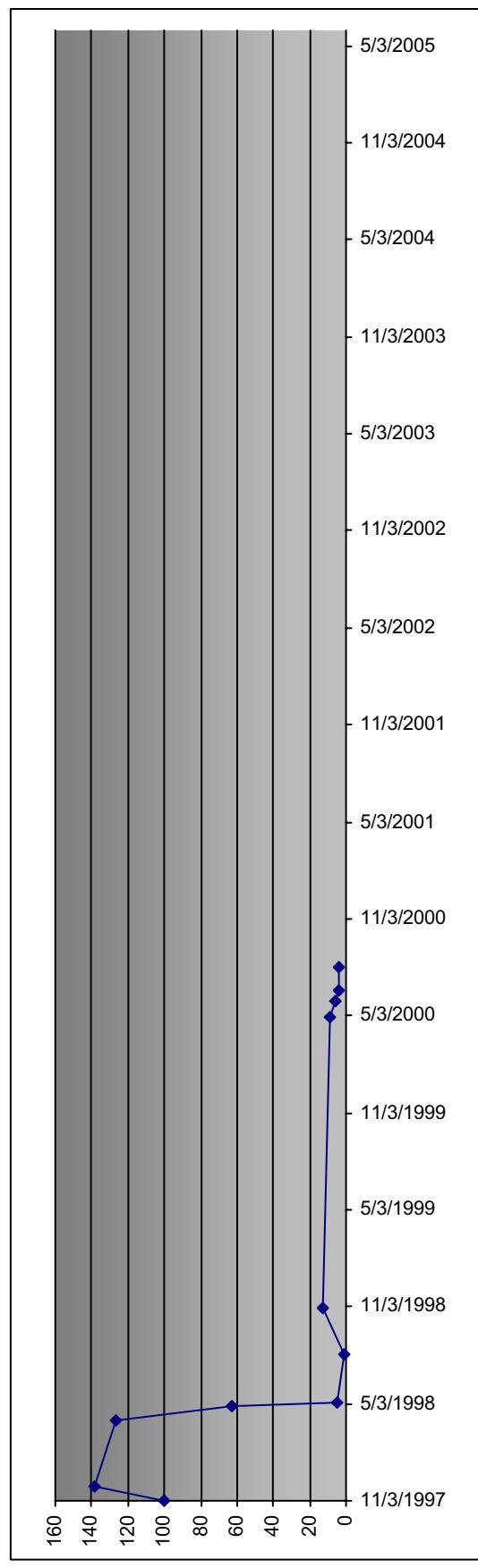


Figure F-35. Carbon Tetrachloride concentrations (ppmv) for Well Port 7V-0

Table F-36. Monitoring data for Well 7V-1 from January through June, 2005.

Well Port 7V-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266113 ft	Northing 669371 ft	Purge Time 12 sec	Depth 209 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 2:00 PM	1/12/2005 12:17 PM	8.26E+00	4.30E+00	5.53E+00	4.47E+00	8.06E+00	9.38E+02
2/10/2005 10:10 AM	2/10/2005 3:56 PM	7.55E+00	3.07E+00	1.39E+00	3.44E+00	7.80E+00	6.32E+03
3/8/2005 1:30 PM	3/9/2005 12:20 PM	9.00E+00	4.11E+00	2.66E+00	5.45E+00	7.78E+00	1.05E+04
4/4/2005 10:46 AM	4/5/2005 10:44 AM	1.59E+01	5.94E+00	3.89E+00	1.52E+01	3.32E+01	8.43E+03
5/10/2005 1:28 PM	5/11/2005 12:52 PM	5.07E+00	1.94E+00	1.39E+00	3.80E+00	1.23E+01	1.67E+04
6/1/2005 4:11 PM	6/2/2005 11:44 AM	4.69E+00	2.24E+00	1.82E+00	3.07E+00	1.01E+01	1.25E+04

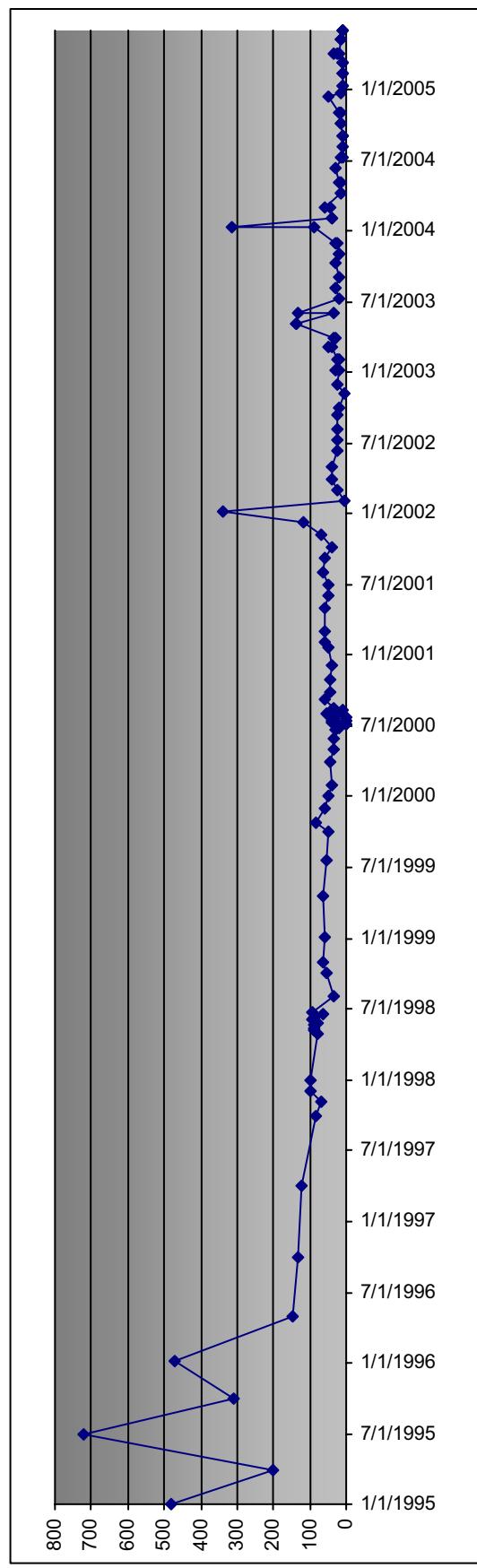


Figure F-36. Carbon Tetrachloride concentrations (ppmv) for Well Port 7V-1

Table F-37. Monitoring data for Well 7V-2 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
7V-2	☒	M	266113 ft	669371 ft	8 sec	147 ft

Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
2/10/2005 10:11 AM	2/10/2005 4:02 PM	4.45E+00	1.78E+00	7.34E-01	3.27E+00	6.29E+00	6.32E+03
3/8/2005 1:32 PM	3/9/2005 12:26 PM	4.09E+00	1.75E+00	1.53E+00	3.46E+00	4.60E+00	1.06E+04
4/4/2005 10:51 AM	4/5/2005 10:53 AM	6.40E+00	2.29E+00	1.98E+00	8.63E+00	1.77E+01	8.44E+03
6/1/2005 4:12 PM	6/2/2005 11:47 AM	4.74E+00	2.15E+00	1.63E+00	3.87E+00	9.92E+00	1.24E+04

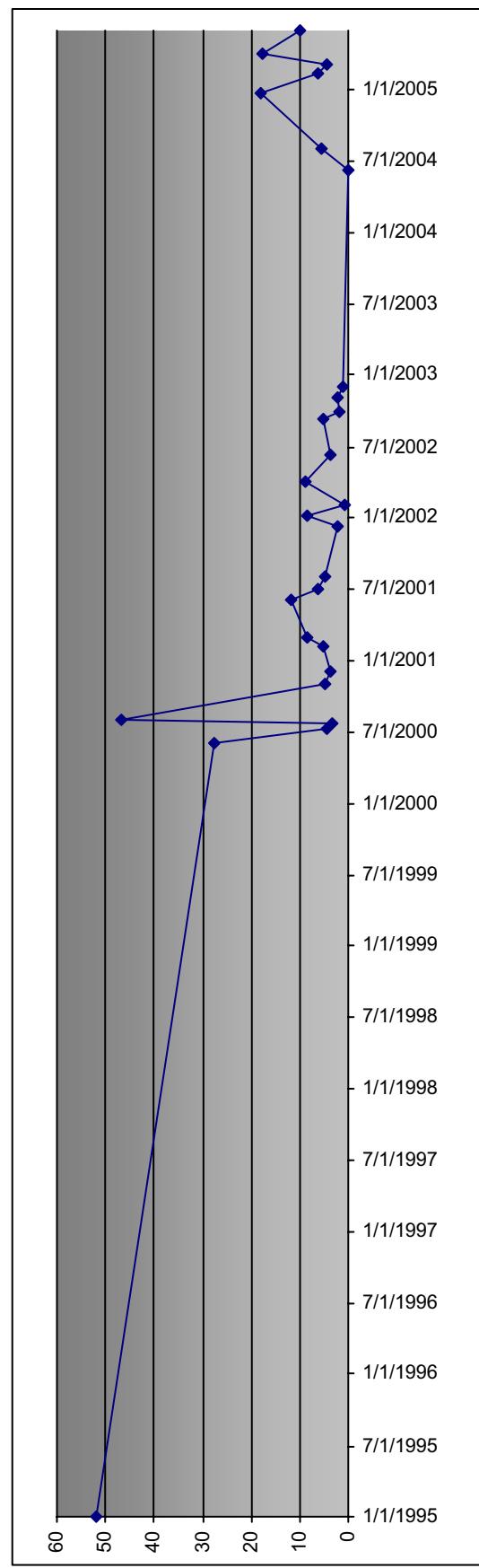


Figure F-37. Carbon Tetrachloride concentrations (ppmv) for Well Port 7V-2

Table F-38. Monitoring data for Well 7V-3 from January through June, 2005.

Well Port 7V-3	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266113 ft	Northing 669371 ft	Purge Time 5 sec	Depth 80.5 ft
1/10/2005	2:03 PM	1/12/2005	12:23 PM	8.25E+00	4.29E+00	4.79E+00
2/10/2005	10:12 AM	2/10/2005	4:05 PM	7.59E+00	3.25E+00	4.15E+00
3/8/2005	1:33 PM	3/9/2005	12:29 PM	8.27E+00	3.80E+00	2.45E+00
4/4/2005	10:52 AM	4/5/2005	10:56 AM	1.06E+01	4.53E+00	3.12E+00
5/10/2005	1:33 PM	5/11/2005	12:58 PM	5.76E+00	2.15E+00	1.33E+00
6/1/2005	4:12 PM	6/2/2005	11:53 AM	4.19E+00	1.97E+00	1.44E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 2:03 PM	1/12/2005 12:23 PM	8.25E+00	4.29E+00	4.79E+00	8.75E+00	8.75E+00	9.32E+02
2/10/2005 10:12 AM	2/10/2005 4:05 PM	7.59E+00	3.25E+00	4.15E+00	7.58E+00	6.29E+03	
3/8/2005 1:33 PM	3/9/2005 12:29 PM	8.27E+00	3.80E+00	2.45E+00	5.19E+00	6.62E+00	1.06E+04
4/4/2005 10:52 AM	4/5/2005 10:56 AM	1.06E+01	4.53E+00	3.12E+00	9.76E+00	1.65E+01	8.47E+03
5/10/2005 1:33 PM	5/11/2005 12:58 PM	5.76E+00	2.15E+00	1.33E+00	4.47E+00	1.37E+01	1.79E+04
6/1/2005 4:12 PM	6/2/2005 11:53 AM	4.19E+00	1.97E+00	1.44E+00	3.45E+00	8.51E+00	1.24E+04

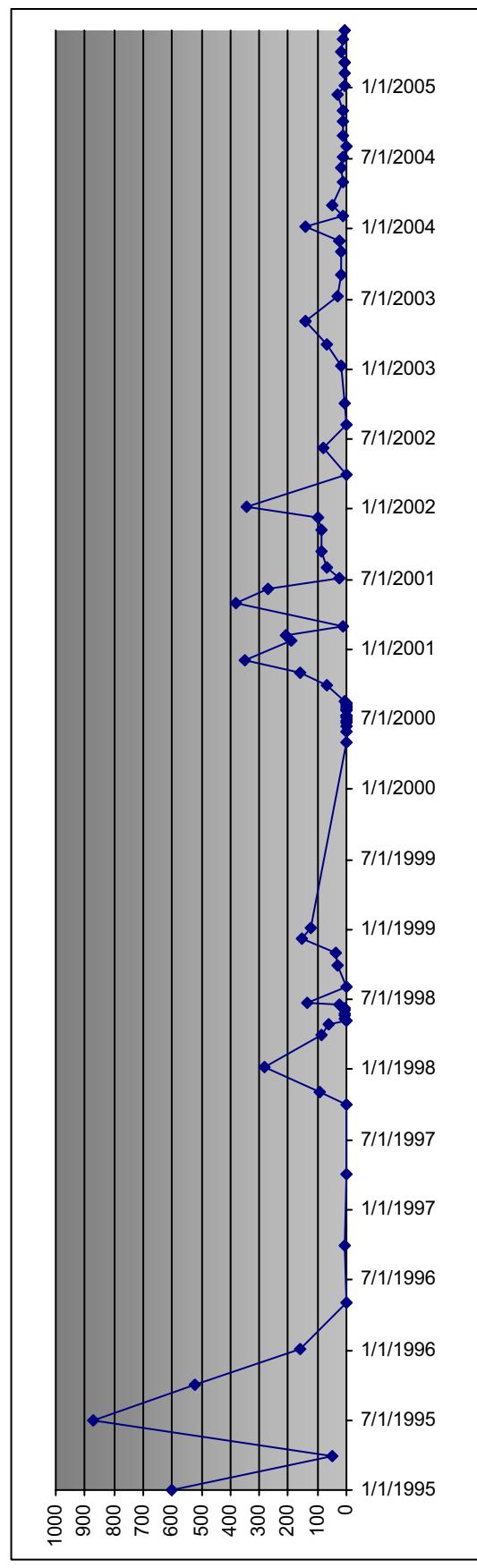


Figure F-38. Carbon Tetrachloride concentrations (ppmv) for Well Port 7V-3

Table F-39. Monitoring data for Well 7V-4 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
7V-4	☒	M	266113 ft	669371 ft	2 sec	42.5 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 2:04 PM	1/12/2005 12:26 PM	1.63E+01	7.24E+00	7.22E+00	7.26E+00	7.55E+00	9.39E+02
2/10/2005 10:13 AM	2/10/2005 4:08 PM	1.57E+01	6.50E+00	3.70E+00	6.94E+00	6.73E+00	6.43E+03
3/8/2005 1:34 PM	3/9/2005 12:35 PM	1.39E+01	5.93E+00	4.10E+00	7.44E+00	5.55E+00	1.06E+04
4/4/2005 10:53 AM	4/5/2005 10:59 AM	1.28E+01	5.32E+00	3.89E+00	1.00E+01	1.39E+01	8.50E+03
5/10/2005 1:34 PM	5/11/2005 1:01 PM	7.89E+00	2.95E+00	1.94E+00	4.98E+00	9.69E+00	1.78E+04
6/1/2005 4:14 PM	6/2/2005 11:56 AM	5.89E+00	2.67E+00	2.00E+00	3.91E+00	5.99E+00	1.23E+04

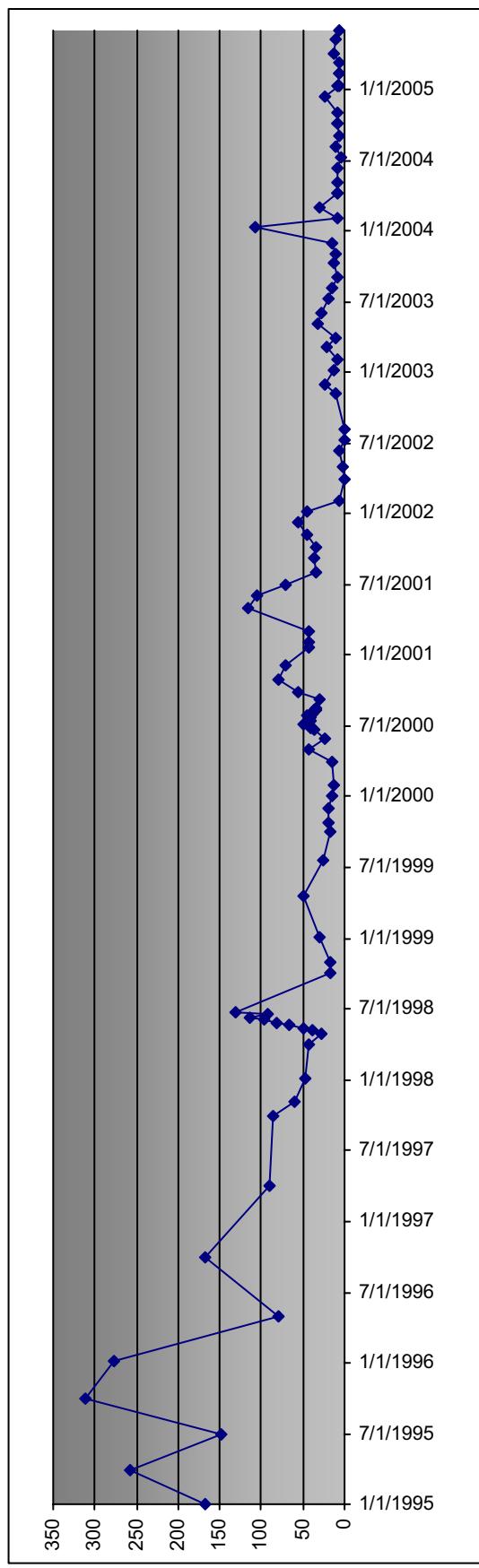


Figure F-39. Carbon Tetrachloride concentrations (ppmv) for Well Port 7V-4

Table F-40. Monitoring data for Well 8V-1 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
8V-1	<input checked="" type="checkbox"/>	M	265732 ft	669173 ft	13 sec	226 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 1:24 PM	1/11/2005 4:50 PM	9.99E+00	4.79E+00	2.46E+00	3.68E+00	1.86E+01	1.37E+03
2/9/2005 2:55 PM	2/10/2005 2:17 PM	7.39E+00	3.16E+00	1.87E+00	2.87E+00	1.26E+01	5.75E+03
3/8/2005 11:20 AM	3/9/2005 12:38 PM	8.44E+00	3.71E+00	2.60E+00	4.78E+00	1.95E+01	1.04E+04
4/5/2005 2:50 PM	4/6/2005 11:45 AM	6.67E+00	3.16E+00	2.16E+00	2.98E+00	1.72E+01	8.46E+03
5/10/2005 2:07 PM	5/11/2005 1:04 PM	1.07E+01	4.79E+00	3.56E+00	8.14E+00	3.55E+01	1.71E+04
6/1/2005 3:47 PM	6/2/2005 11:59 AM	8.69E+00	4.30E+00	2.89E+00	4.02E+00	2.56E+01	1.35E+04

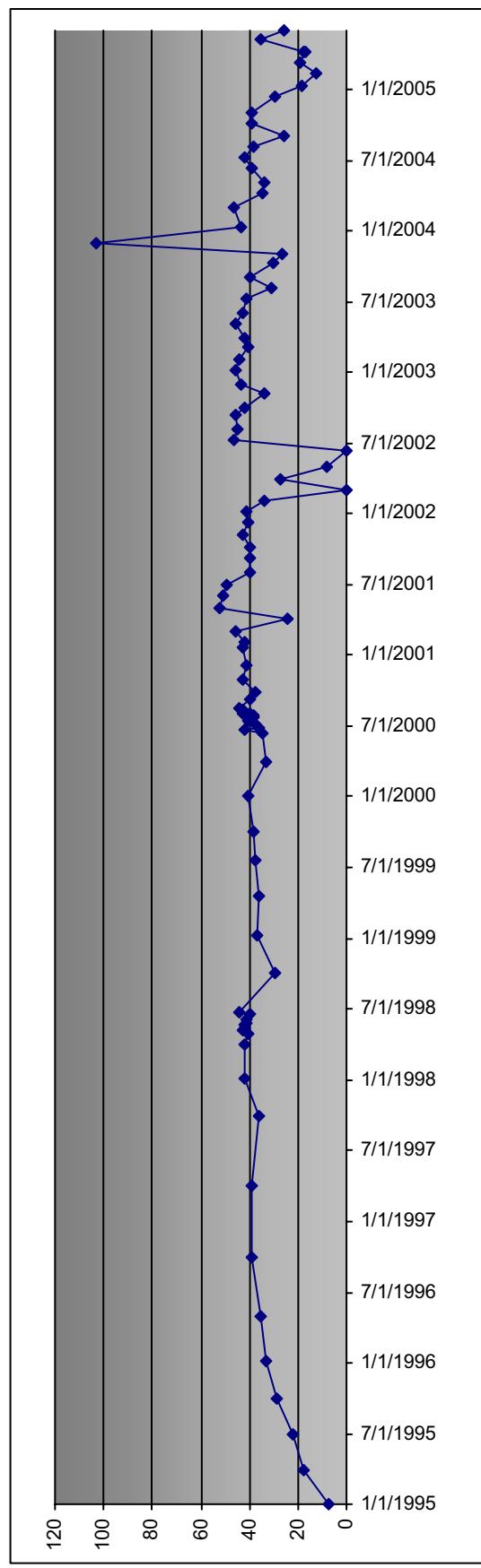


Figure F-40. Carbon Tetrachloride concentrations (ppmv) for Well Port 8V-1

Table F-41. Monitoring data for Well 8V-2 from January through June, 2005.

Well Port 8V-2	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 265732 ft	Northing 669173 ft	Purge Time 7 sec	Depth 128 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 1:25 PM	1/11/2005 4:53 PM	9.17E+00	4.77E+00	1.80E+00	4.34E+00	2.71E+01	1.37E+03
2/9/2005 2:56 PM	2/10/2005 2:20 PM	7.12E+00	3.51E+00	1.56E+00	3.49E+00	2.13E+01	5.68E+03
3/8/2005 11:21 AM	3/9/2005 12:41 PM	7.54E+00	3.79E+00	1.99E+00	5.31E+00	2.90E+01	1.03E+04
4/5/2005 2:51 PM	4/6/2005 11:51 AM	6.36E+00	3.41E+00	1.81E+00	3.92E+00	2.43E+01	8.56E+03
5/10/2005 2:09 PM	5/11/2005 1:07 PM	8.58E+00	4.40E+00	3.00E+00	8.50E+00	4.04E+01	1.73E+04
6/1/2005 3:48 PM	6/2/2005 12:02 PM	7.64E+00	4.25E+00	2.19E+00	5.64E+00	3.65E+01	1.46E+04

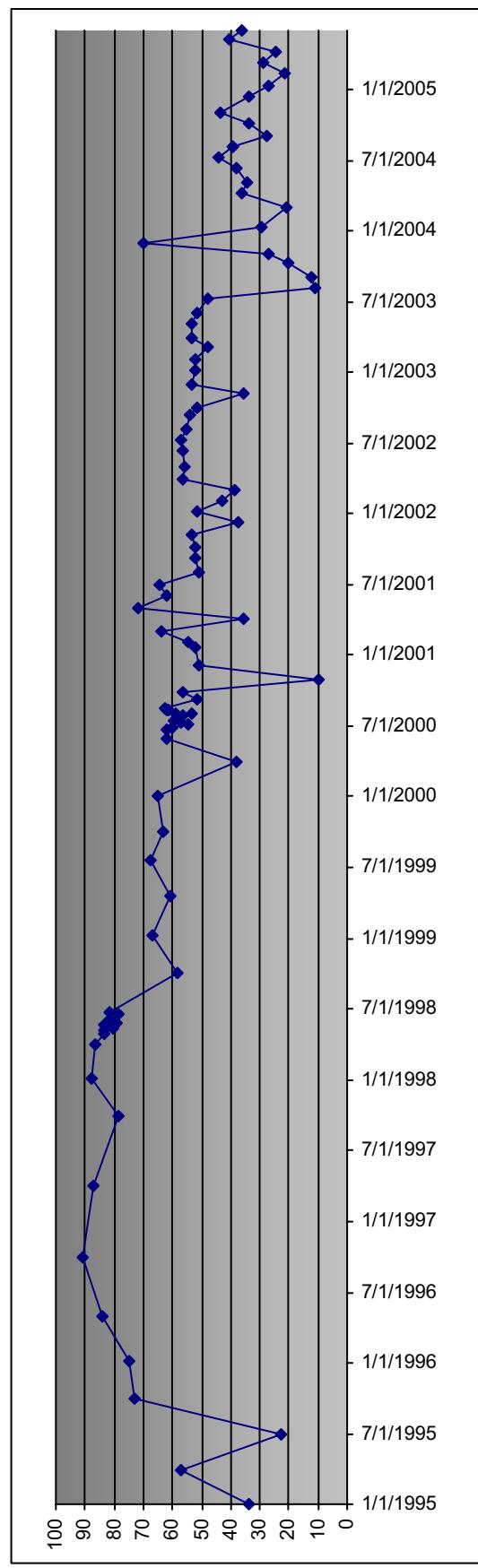


Figure F-41. Carbon Tetrachloride concentrations (ppmv) for Well Port 8V-2

Table F-42. Monitoring data for Well 8V-3 from January through June, 2005.

Well Port 8V-3	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 265732 ft	Northing 669173 ft	Purge Time 5 sec	Depth 87.5 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 1:26 PM	1/11/2005 4:56 PM	6.03E+00	2.88E+00	9.36E-01	3.34E+00	1.26E+01	1.36E+03
2/9/2005 2:57 PM	2/10/2005 2:23 PM	3.80E+00	1.59E+00	7.07E-01	1.93E+00	6.09E+00	5.78E+03
3/8/2005 11:22 AM	3/9/2005 12:44 PM	4.66E+00	2.27E+00	1.20E+00	4.43E+00	1.61E+01	1.04E+04
4/5/2005 2:52 PM	4/6/2005 11:54 AM	4.28E+00	2.09E+00	1.07E+00	3.31E+00	1.30E+01	8.50E+03
5/10/2005 2:10 PM	5/11/2005 1:10 PM	4.37E+00	1.85E+00	2.08E+00	6.21E+00	2.09E+01	1.80E+04
6/1/2005 3:49 PM	6/2/2005 12:05 PM	3.85E+00	1.75E+00	1.18E+00	3.99E+00	1.43E+01	1.38E+04

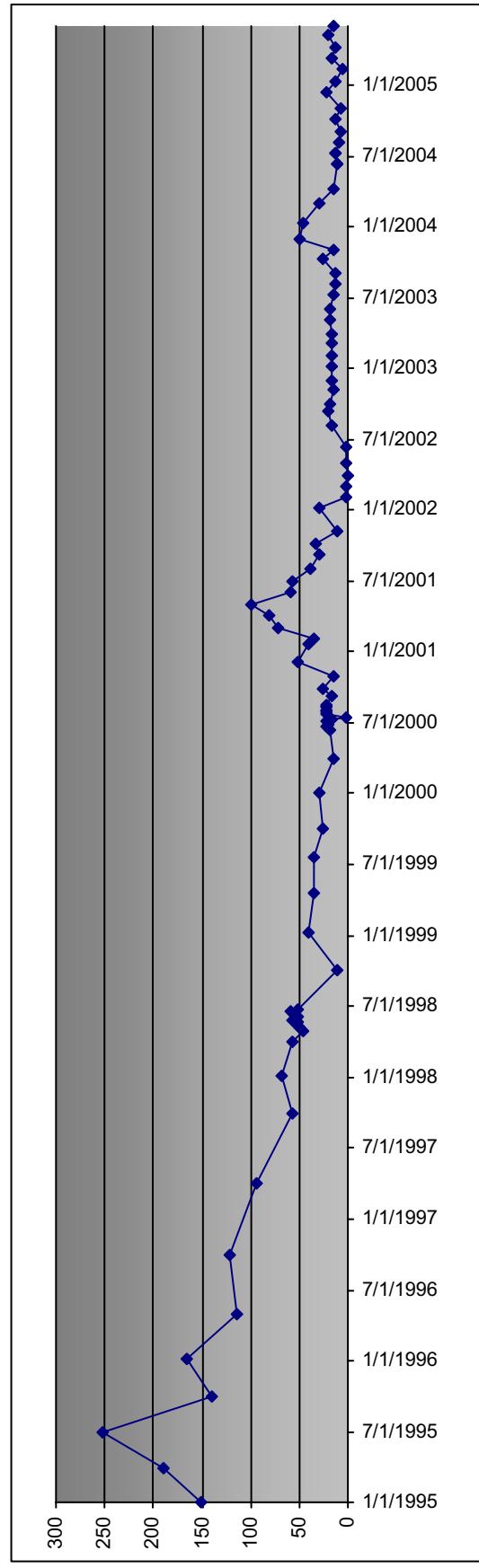


Figure F-42. Carbon Tetrachloride concentrations (ppmv) for Well Port 8V-3

Table F-43. Monitoring data for Well 8V-4 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
8V-4	☒	M	265732 ft	669173 ft	3 sec	56.5 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 1:49 PM	1/11/2005 4:59 PM	5.66E+00	3.31E+00	9.23E-01	2.85E+00	8.40E+00	1.37E+03
2/9/2005 2:58 PM	2/10/2005 2:26 PM	3.79E+00	1.93E+00	7.52E-01	2.14E+00	4.74E+00	5.76E+03
3/8/2005 11:23 AM	3/9/2005 12:47 PM	3.52E+00	1.97E+00	9.91E-01	3.61E+00	9.35E+00	1.05E+04
4/5/2005 2:53 PM	4/6/2005 11:57 AM	3.35E+00	2.02E+00	1.11E+00	2.44E+00	6.79E+00	8.64E+03
5/10/2005 2:11 PM	5/11/2005 1:13 PM	4.25E+00	1.82E+00	1.97E+00	5.57E+00	1.44E+01	1.69E+04
6/1/2005 3:50 PM	6/2/2005 12:08 PM	3.32E+00	1.94E+00	1.11E+00	3.22E+00	9.88E+00	1.42E+04

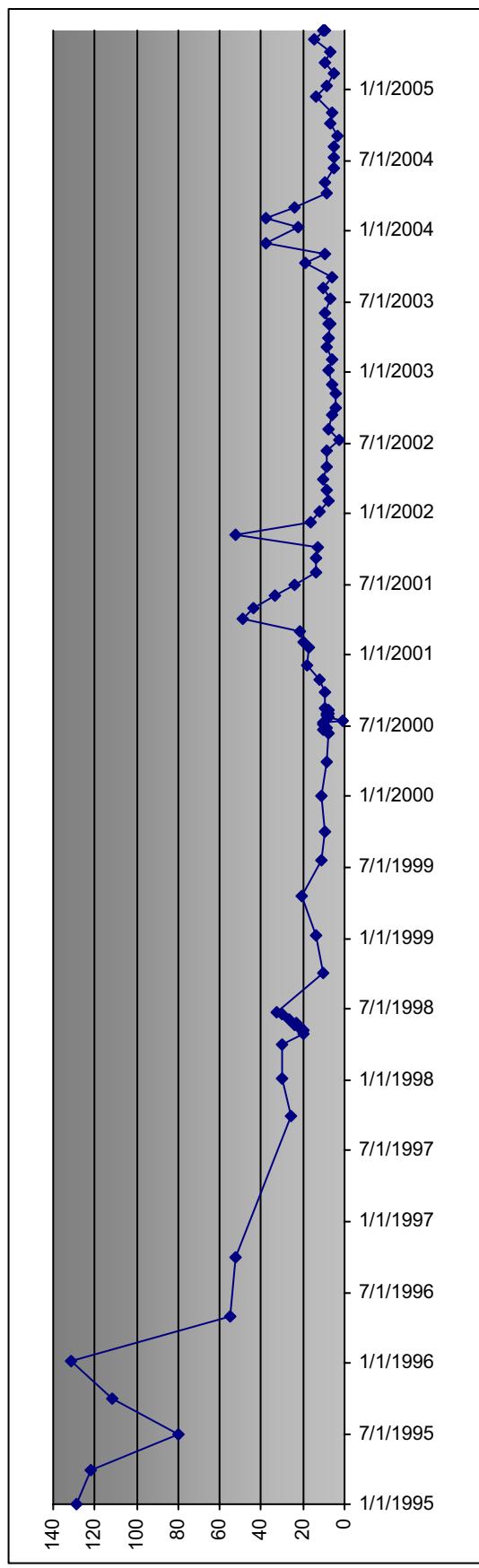


Figure F-43. Carbon Tetrachloride concentrations (ppmv) for Well Port 8V-4

Table F-44. Monitoring data for Well 9V-1 from January through June, 2005.

Well Port 9V-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 265755 ft	Northing 669845 ft	Purge Time 13 sec	Depth 223 ft
1/10/2005	3:35 PM	1/11/2005	2:32 PM	9.41E+00	3.37E+00	1.73E+00
2/9/2005	3:15 PM	2/10/2005	2:29 PM	3.68E+00	1.63E+00	7.88E-01
3/8/2005	2:10 PM	3/9/2005	12:50 PM	4.99E+00	2.14E+00	1.64E+00
6/1/2005	4:03 PM	6/2/2005	11:26 AM	3.76E+00	1.95E+00	1.91E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	3:35 PM	1/11/2005	2:32 PM	9.41E+00	3.37E+00	1.73E+00	5.81E+00
2/9/2005	3:15 PM	2/10/2005	2:29 PM	3.68E+00	1.63E+00	7.88E-01	1.94E+00
3/8/2005	2:10 PM	3/9/2005	12:50 PM	4.99E+00	2.14E+00	1.64E+00	4.78E+00
6/1/2005	4:03 PM	6/2/2005	11:26 AM	3.76E+00	1.95E+00	1.91E+00	3.25E+00

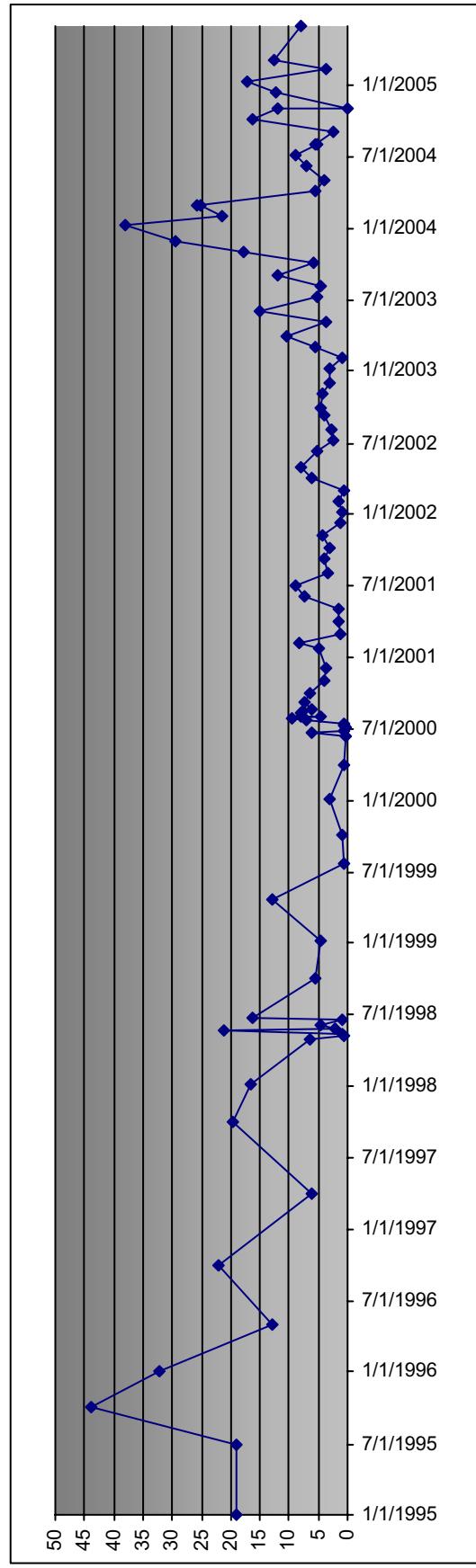


Figure F-44. Carbon Tetrachloride concentrations (ppmv) for Well Port 9V-1

Table F-45. Monitoring data for Well 9V-2 from January through June, 2005.

Well Port 9V-2	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 265755 ft	Northing 669845 ft	Purge Time 9 sec	Depth 157 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 3:36 PM	1/11/2005 2:35 PM	9.39E+00	3.76E+00	2.12E+00	6.35E+00	1.62E+01	1.45E+03
2/9/2005 3:16 PM	2/10/2005 2:32 PM	5.00E+00	2.30E+00	1.20E+00	2.27E+00	6.98E+00	5.80E+03
3/8/2005 2:11 PM	3/9/2005 12:53 PM	6.73E+00	2.95E+00	2.31E+00	5.58E+00	1.46E+01	1.07E+04
4/5/2005 3:07 PM	4/6/2005 12:00 PM	4.72E+00	2.00E+00	1.34E+00	2.41E+00	6.77E+00	8.56E+03
5/10/2005 2:29 PM	5/11/2005 1:16 PM	5.07E+00	2.14E+00	2.04E+00	4.68E+00	1.20E+01	1.64E+04
6/1/2005 4:04 PM	6/2/2005 11:29 AM	5.24E+00	2.44E+00	2.19E+00	3.63E+00	1.07E+01	1.29E+04

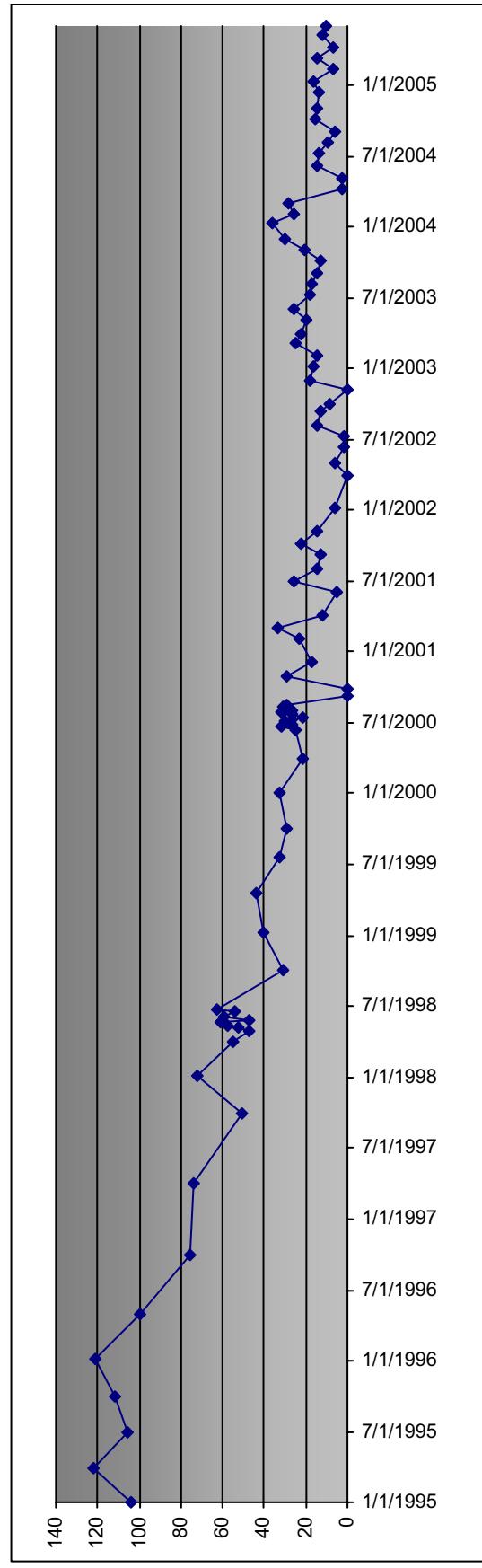


Figure F-45. Carbon Tetrachloride concentrations (ppmv) for Well Port 9V-2

Table F-46. Monitoring data for Well 9V-3 from January through June, 2005.

Well Port 9V-3	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 265755 ft	Northing 669845 ft	Purge Time 4 sec	Depth 66.5 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 3:37 PM	1/11/2005 2:38 PM	7.71E+00	3.18E+00	1.86E+00	5.95E+00	1.39E+01	1.44E+03
2/9/2005 3:17 PM	2/10/2005 2:35 PM	3.54E+00	1.67E+00	8.44E-01	1.82E+00	3.89E+00	5.74E+03
3/8/2005 2:12 PM	3/9/2005 12:56 PM	4.70E+00	2.18E+00	1.79E+00	4.85E+00	1.06E+01	1.07E+04
4/5/2005 3:08 PM	4/6/2005 12:03 PM	3.90E+00	1.64E+00	1.22E+00	2.38E+00	5.38E+00	8.52E+03
5/10/2005 2:30 PM	5/11/2005 1:19 PM	4.76E+00	2.00E+00	2.12E+00	4.18E+00	1.15E+01	1.64E+04
6/1/2005 4:05 PM	6/2/2005 11:38 AM	3.85E+00	1.87E+00	1.67E+00	3.00E+00	7.74E+00	1.28E+04

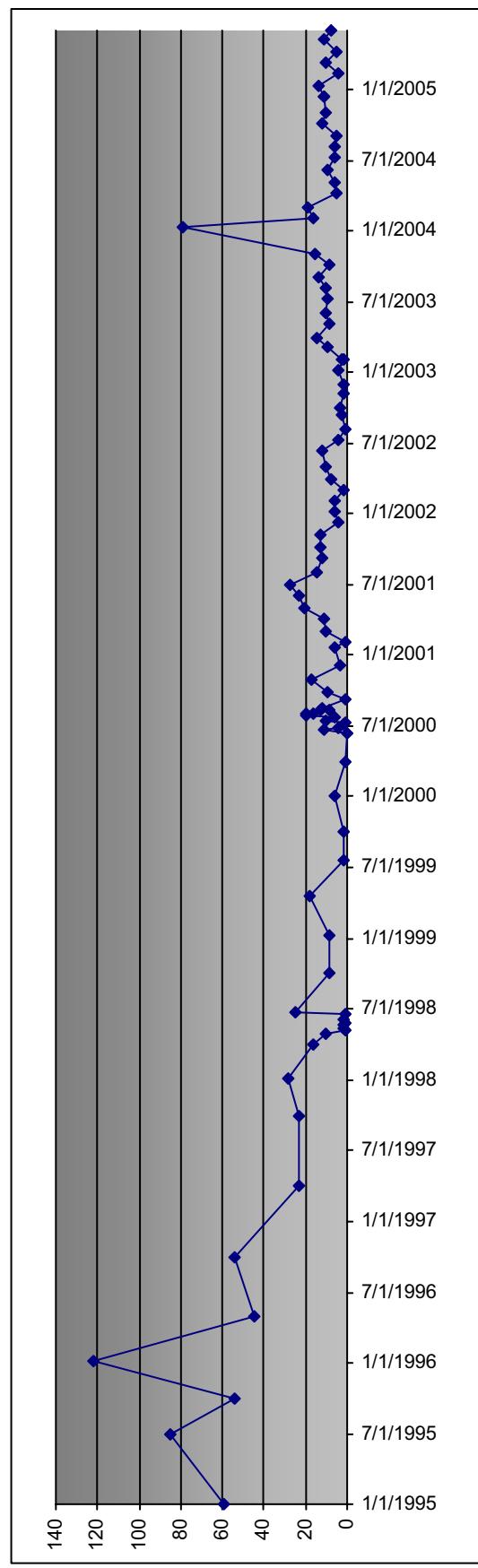


Figure F-46. Carbon Tetrachloride concentrations (ppmv) for Well Port 9V-3

Table F-47. Monitoring data for Well 9V-4 from January through June, 2005.

Well Port 9V-4	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 265755 ft	Northing 669845 ft	Purge Time 2 sec	Depth 36.5 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 3:38 PM	1/11/2005 2:41 PM	9.28E+00	3.75E+00	1.75E+00	5.40E+00	1.11E+01	1.43E+03
2/9/2005 3:18 PM	2/10/2005 2:38 PM	4.37E+00	2.40E+00	7.67E-01	1.94E+00	6.05E+00	5.96E+03
3/8/2005 2:13 PM	3/9/2005 12:59 PM	4.78E+00	2.79E+00	2.20E+00	3.91E+00	7.99E+00	1.09E+04
4/5/2005 3:09 PM	4/6/2005 12:06 PM	3.81E+00	2.23E+00	1.37E+00	2.14E+00	4.44E+00	8.72E+03
5/10/2005 2:32 PM	5/11/2005 1:22 PM	4.10E+00	2.30E+00	1.85E+00	3.61E+00	8.98E+00	1.61E+04
6/1/2005 4:06 PM	6/2/2005 11:41 AM	3.79E+00	2.56E+00	1.81E+00	2.71E+00	5.86E+00	1.28E+04

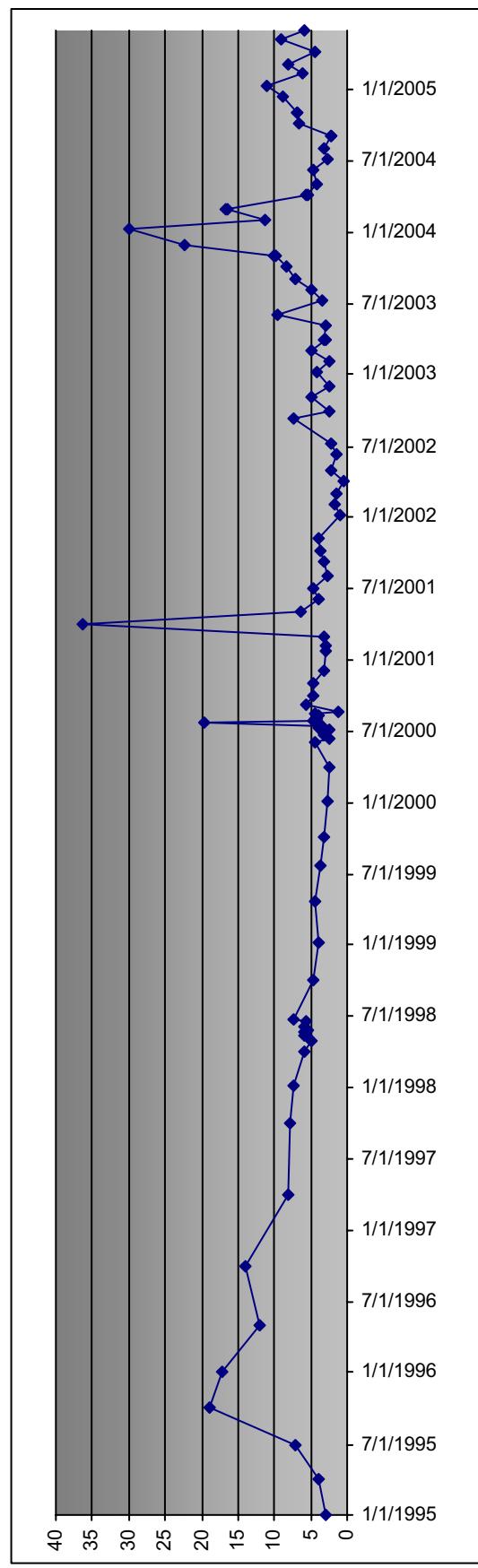


Figure F-47. Carbon Tetrachloride concentrations (ppmv) for Well Port 9V-4

Table F-48. Monitoring data for Well 10V-1 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
10V-1	<input checked="" type="checkbox"/>	M	265022 ft	669573 ft	13 sec	219 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 1:38 PM	1/11/2005 2:20 PM	5.94E+00	2.75E+00	1.63E+00	3.43E+00	8.36E+00	1.44E+03
2/9/2005 3:00 PM	2/10/2005 2:41 PM	3.63E+00	1.51E+00	7.22E-01	1.95E+00	6.50E+00	5.58E+03
3/8/2005 10:40 AM	3/9/2005 1:02 PM	3.36E+00	1.29E+00	1.14E+00	3.15E+00	7.31E+00	1.07E+04
4/5/2005 2:56 PM	4/6/2005 12:09 PM	2.85E+00	1.20E+00	8.97E-01	1.73E+00	4.11E+00	8.49E+03
5/10/2005 2:18 PM	5/11/2005 1:25 PM	4.05E+00	1.32E+00	1.79E+00	4.74E+00	1.22E+01	1.67E+04
6/1/2005 3:37 PM	6/2/2005 10:59 AM	3.25E+00	1.58E+00	2.49E+00	3.07E+00	8.11E+00	1.55E+04

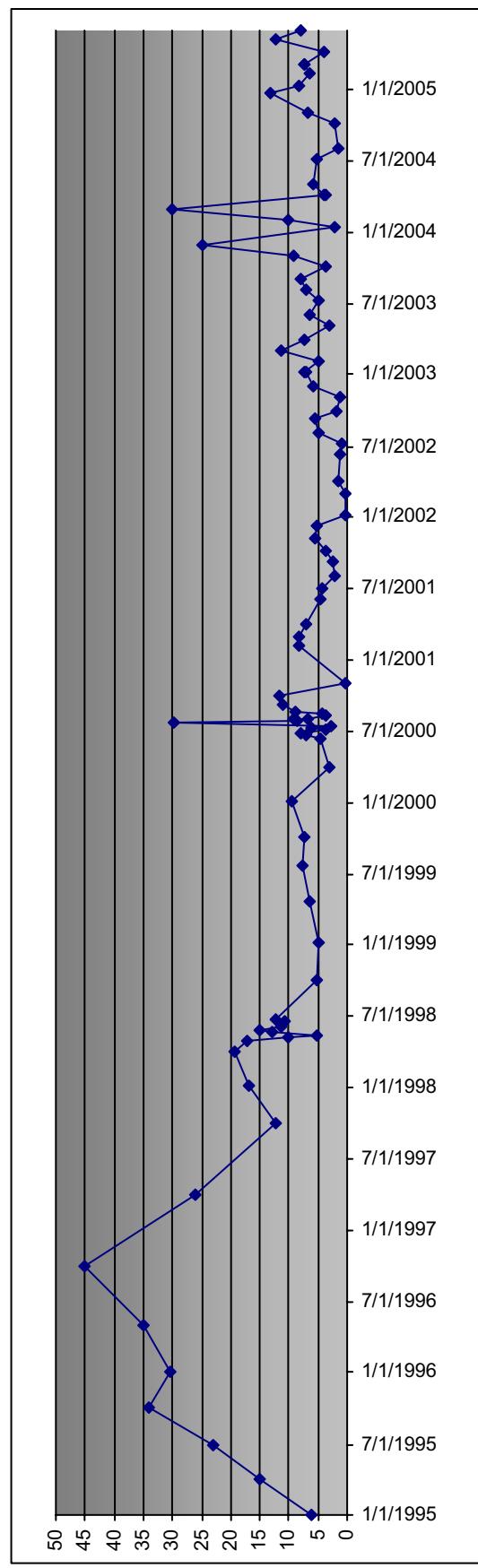


Figure F-48. Carbon Tetrachloride concentrations (ppmv) for Well Port 10V-1

Table F-49. Monitoring data for Well 10V-2 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
10V-2	☒	M	265022 ft	669573 ft	7 sec	128 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 1:39 PM	1/11/2005 2:23 PM	5.61E+00	2.56E+00	1.57E+00	3.07E+00	8.00E+00	1.42E+03
2/9/2005 3:01 PM	2/10/2005 2:44 PM	3.67E+00	1.48E+00	7.07E-01	2.24E+00	7.34E+00	5.55E+03
3/8/2005 11:41 AM	3/9/2005 1:08 PM	3.61E+00	1.37E+00	9.35E-01	3.24E+00	7.97E+00	1.08E+04
4/5/2005 2:57 PM	4/6/2005 12:12 PM	3.06E+00	1.18E+00	9.57E-01	1.86E+00	4.53E+00	8.42E+03
5/10/2005 2:20 PM	5/11/2005 1:28 PM	4.34E+00	1.48E+00	1.94E+00	4.86E+00	1.30E+01	1.66E+04
6/1/2005 3:38 PM	6/2/2005 11:02 AM	3.52E+00	1.66E+00	2.46E+00	3.04E+00	8.75E+00	1.52E+04

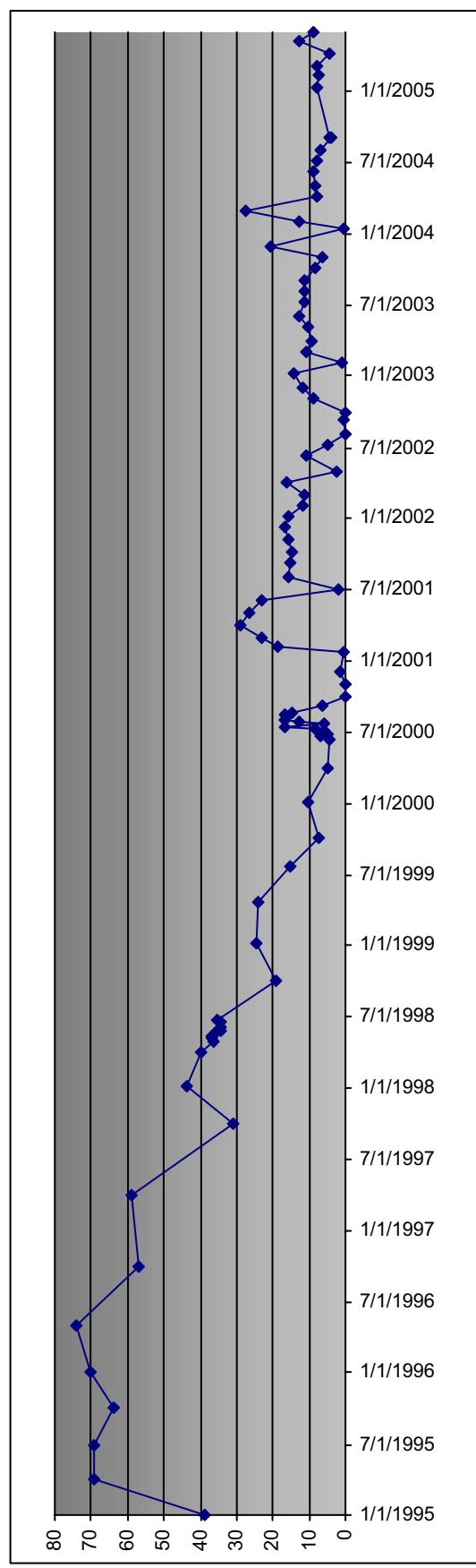


Figure F-49. Carbon Tetrachloride concentrations (ppmv) for Well Port 10V-2

Table F-50. Monitoring data for Well 10V-3 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
10V-3	<input checked="" type="checkbox"/>	M	265022 ft	669573 ft	5 sec	78.5 ft
1/10/2005	1:40 PM	1/11/2005	2:26 PM	5.24E+00	1.48E+00	2.85E+00
2/9/2005	3:02 PM	2/10/2005	2:47 PM	3.38E+00	1.46E+00	6.74E+00
3/8/2005	11:42 AM	3/9/2005	1:11 PM	3.05E+00	1.09E+00	1.91E+00
4/5/2005	2:58 PM	4/6/2005	12:15 PM	2.61E+00	8.72E-01	2.70E+00
5/10/2005	2:21 PM	5/11/2005	1:31 PM	3.68E+00	8.38E-01	1.41E+00
6/1/2005	3:39 PM	6/2/2005	11:05 AM	2.95E+00	1.37E+00	4.16E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	1:40 PM	1/11/2005	2:26 PM	5.24E+00	1.48E+00	2.85E+00	1.41E+03
2/9/2005	3:02 PM	2/10/2005	2:47 PM	3.38E+00	1.46E+00	6.74E+00	5.64E+03
3/8/2005	11:42 AM	3/9/2005	1:11 PM	3.05E+00	1.09E+00	8.72E-01	1.08E+04
4/5/2005	2:58 PM	4/6/2005	12:15 PM	2.61E+00	9.35E-01	8.38E-01	8.55E+03
5/10/2005	2:21 PM	5/11/2005	1:31 PM	3.68E+00	1.37E+00	4.16E+00	1.55E+04
6/1/2005	3:39 PM	6/2/2005	11:05 AM	2.95E+00	1.42E+00	2.08E+00	2.70E+00

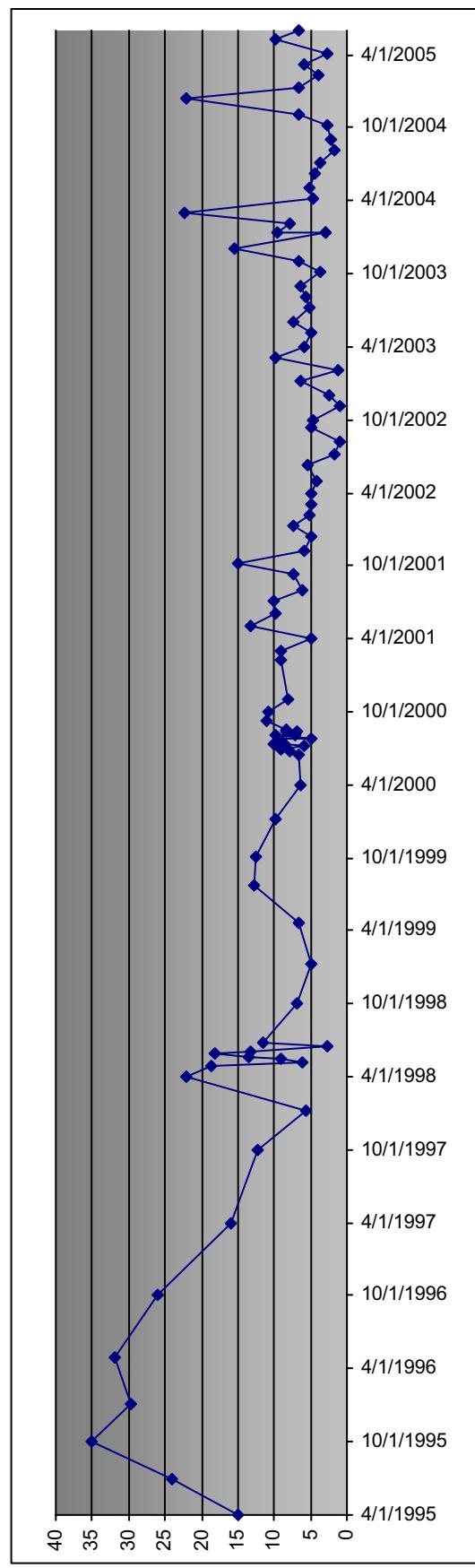


Figure F-50. Carbon Tetrachloride concentrations (ppmv) for Well Port 10V-3

Table F-51. Monitoring data for Well 10V-4 from January through June, 2005.

Well Port 10V-4	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 265022 ft	Northing 669573 ft	Purge Time 2 sec	Depth 38.5 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 1:41 PM	1/11/2005 2:29 PM	5.59E+00	2.65E+00	1.44E+00	2.88E+00	6.13E+00	1.41E+03
2/9/2005 3:03 PM	2/10/2005 2:50 PM	3.46E+00	1.75E+00	7.41E-01	1.98E+00	3.90E+00	5.74E+03
3/8/2005 11:43 AM	3/9/2005 1:14 PM	3.31E+00	1.52E+00	9.18E-01	2.74E+00	5.66E+00	1.09E+04
4/5/2005 2:59 PM	4/6/2005 12:18 PM	3.19E+00	1.47E+00	8.60E-01	1.95E+00	3.61E+00	8.56E+03
5/10/2005 2:23 PM	5/11/2005 1:34 PM	3.63E+00	1.53E+00	1.70E+00	4.27E+00	9.92E+00	1.58E+04
6/1/2005 4:00 PM	6/2/2005 11:08 AM	2.88E+00	1.73E+00	2.05E+00	2.70E+00	6.03E+00	1.36E+04

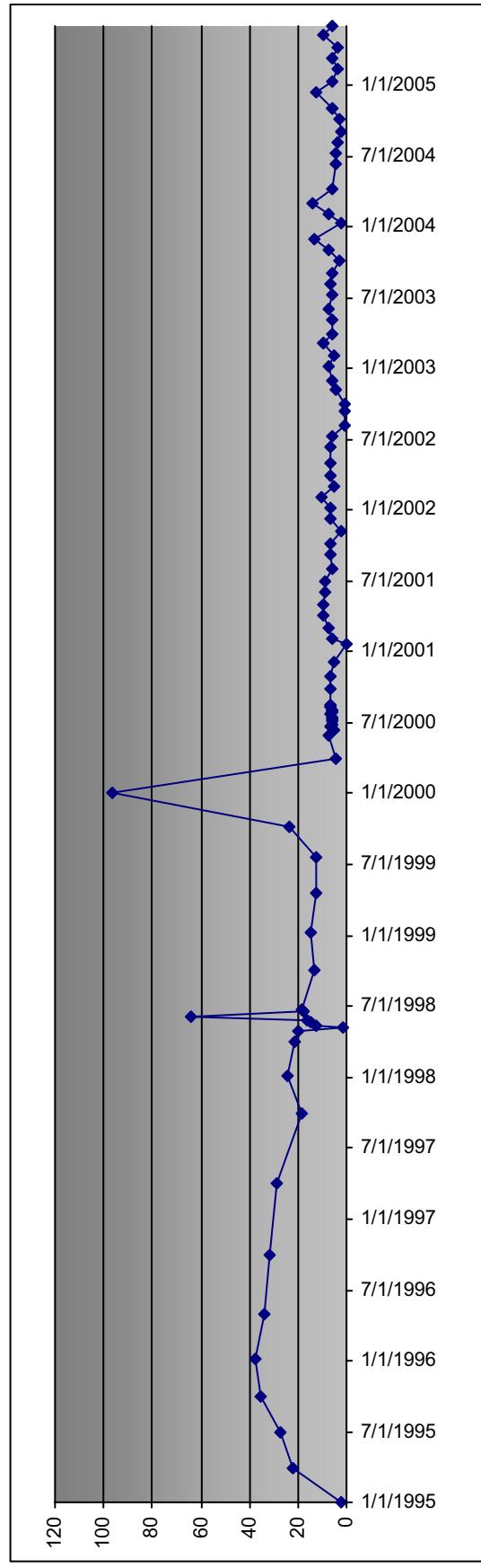


Figure F-51. Carbon Tetrachloride concentrations (ppmv) for Well Port 10V-4

Table F-52. Monitoring data for Well 8801-1 from January through June, 2005.

Well Port 8801-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267058 ft	Northing 669239 ft	Purge Time 13 sec	Depth 230 ft
1/10/2005 10:10 AM		1/11/2005	2:44 PM	7.53E+00	1.57E+00	5.35E+00
3/8/2005 3:13 PM		3/10/2005	9:10 AM	2.97E+00	1.47E+00	3.25E+00

Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 10:10 AM	1/11/2005 2:44 PM	7.53E+00	3.03E+00	1.57E+00	5.35E+00	1.65E+01	1.41E+03
3/8/2005 3:13 PM	3/10/2005 9:10 AM	2.97E+00	1.47E+00	2.88E+00	3.25E+00	6.61E+00	9.66E+03

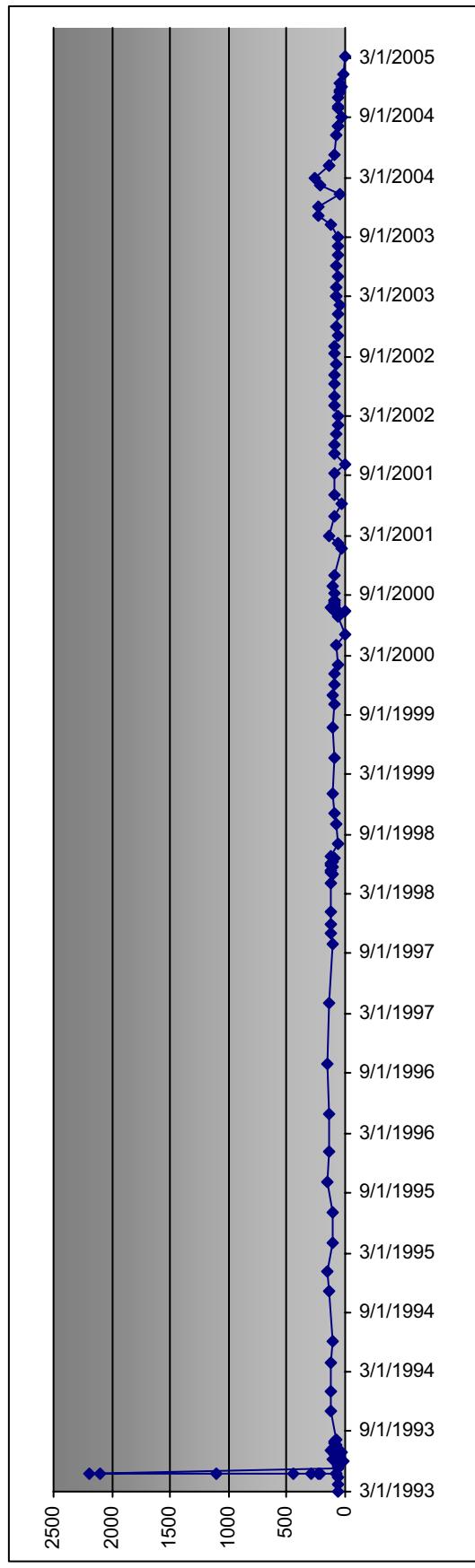


Figure F-52. Carbon Tetrachloride concentrations (ppmv) for Well Port 8801-1

Table F-53. Monitoring data for Well 8801-4 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth				
8801-4	<input checked="" type="checkbox"/>	M	267058 ft	669239 ft	8 sec	78 ft				
3/8/2005	3:14 PM		3/10/2005	9:13 AM	6.09E+00	2.19E+00	3.48E+00	3.67E+00	1.14E+01	9.86E+03

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/8/2005	3:14 PM						

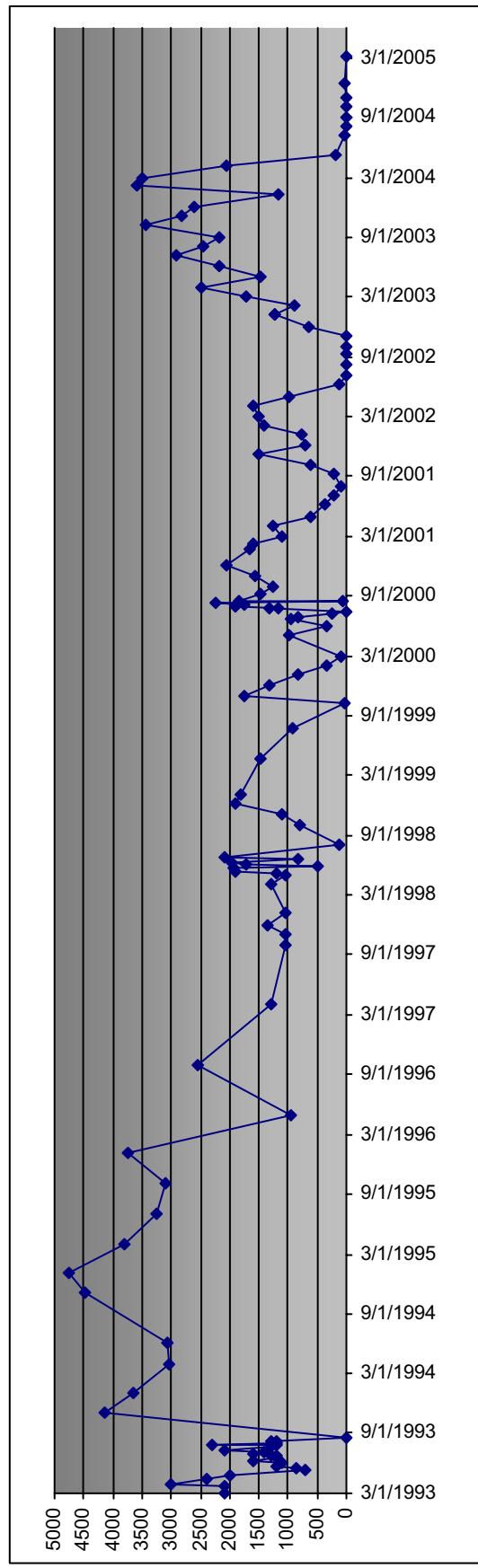


Figure F-53. Carbon Tetrachloride concentrations (ppmv) for Well Port 8801-4

Table F-54. Monitoring data for Well 8801-7 from January through June, 2005.

Well Port 8801-7	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267058 ft	Northing 669239 ft	Purge Time 5 sec	Depth 131 ft
1/10/2005	10:02 AM	1/11/2005	2:47 PM	4.78E+00	9.00E-01	3.53E+00
3/8/2005	3:15 PM	3/10/2005	9:16 AM	4.98E+00	1.72E+00	3.28E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 10:02 AM	1/11/2005 2:47 PM	4.78E+00	1.86E+00	9.00E-01	3.53E+00	6.34E+00	1.42E+03
3/8/2005 3:15 PM	3/10/2005 9:16 AM	4.98E+00	1.72E+00	3.28E+00	3.88E+00	9.75E+00	9.67E+03

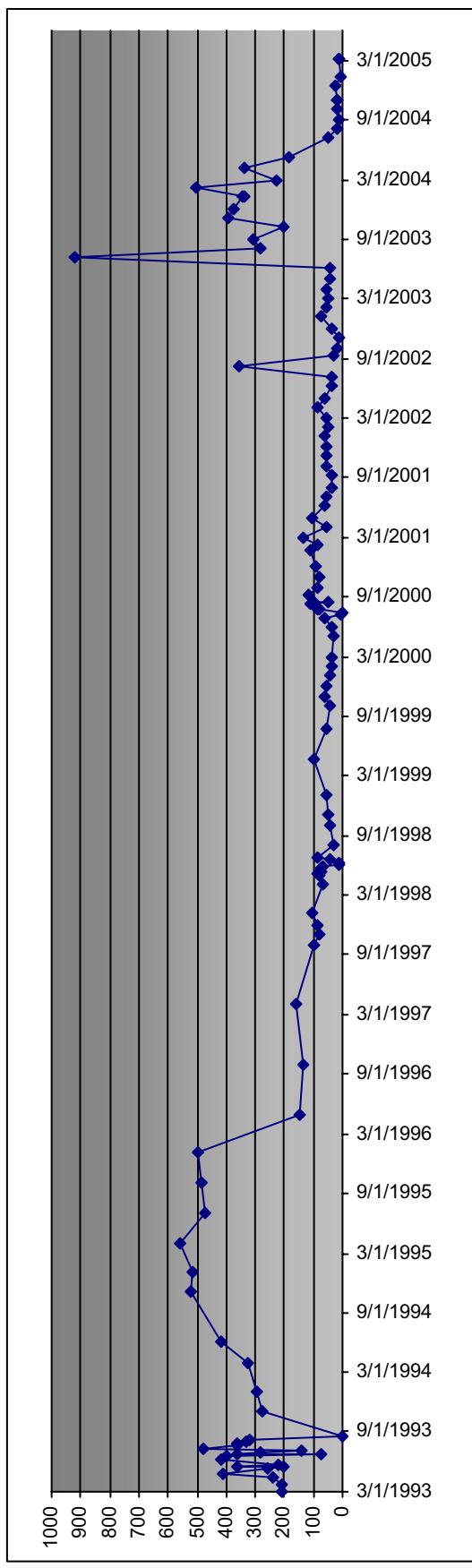


Figure F-54. Carbon Tetrachloride concentrations (ppmv) for Well Port 8801-7

Table F-55. Monitoring data for Well 8902-1 from January through June, 2005.

Well Port 8902-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267020 ft	Northing 669114 ft	Purge Time 13 sec	Depth 229 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 10:02 AM	1/11/2005 2:50 PM	4.68E+00	1.87E+00	8.55E-01	3.06E+00	5.05E+00	1.40E+03
2/9/2005 12:30 PM	2/10/2005 12:17 PM	2.68E+00	1.55E+00	2.83E+00	2.02E+00	4.53E+00	4.92E+03
3/8/2005 3:15 PM	3/10/2005 9:22 AM	4.38E+00	1.82E+00	3.09E+00	4.08E+00	9.74E+00	9.76E+03
4/5/2005 3:39 PM	4/6/2005 10:54 AM	3.81E+00	1.73E+00	2.29E+00	2.75E+00	6.98E+00	8.56E+03
5/10/2005 2:58 PM	5/11/2005 1:49 PM	5.21E+00	1.25E+00	1.32E+00	7.76E+00	2.26E+01	1.68E+04
6/1/2005 1:27 PM	6/2/2005 3:29 PM	5.61E+00	1.96E+00	2.49E+00	7.15E+00	1.55E+01	1.28E+04

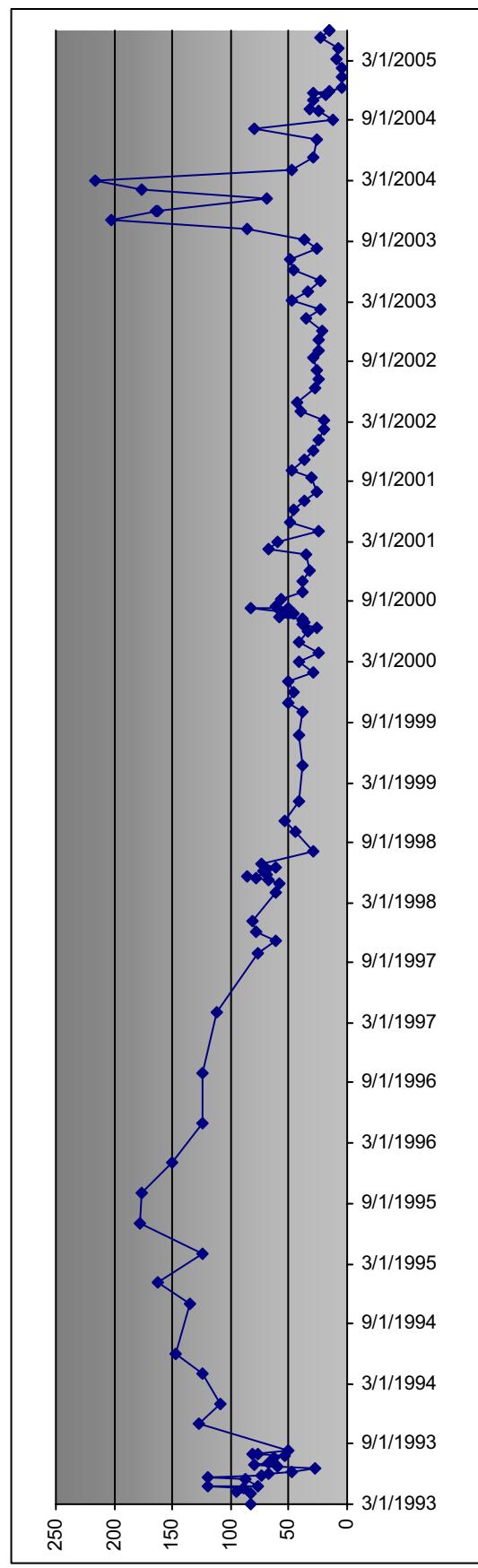


Figure F-55. Carbon Tetrachloride concentrations (ppmv) for Well Port 8902-1

Table F-56. Monitoring data for Well 8902-4 from January through June, 2005.

Well Port 8902-4	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267020 ft	Northing 669114 ft	Purge Time 8 sec	Depth 130 ft
1/10/2005 10:03 AM		1/11/2005 2:53 PM	5.14E+00	1.96E+00	1.07E+00	2.70E+00
2/9/2005 12:31 PM		2/10/2005 12:20 PM	3.72E+00	1.94E+00	2.88E+00	2.50E+00
3/8/2005 3:16 PM		3/10/2005 9:25 AM	5.20E+00	2.18E+00	2.95E+00	4.78E+00
4/5/2005 3:40 PM		4/6/2005 10:57 AM	4.46E+00	1.70E+00	2.33E+00	2.64E+00
5/10/2005 2:59 PM		5/11/2005 1:52 PM	6.36E+00	1.59E+00	5.94E+00	1.13E+01
6/1/2005 1:28 PM		6/2/2005 3:38 PM	9.80E+00	2.37E+00	2.45E+00	2.48E+00

Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 10:03 AM	1/11/2005 2:53 PM	5.14E+00	1.96E+00	1.07E+00	2.70E+00	7.43E+00	1.43E+03
2/9/2005 12:31 PM	2/10/2005 12:20 PM	3.72E+00	1.94E+00	2.88E+00	2.50E+00	9.70E+00	4.92E+03
3/8/2005 3:16 PM	3/10/2005 9:25 AM	5.20E+00	2.18E+00	2.95E+00	4.78E+00	1.23E+01	9.82E+03
4/5/2005 3:40 PM	4/6/2005 10:57 AM	4.46E+00	1.70E+00	2.33E+00	2.64E+00	1.13E+01	8.48E+03
5/10/2005 2:59 PM	5/11/2005 1:52 PM	6.36E+00	1.59E+00	5.94E+00	2.48E+00	1.69E+01	1.69E+04
6/1/2005 1:28 PM	6/2/2005 3:38 PM	9.80E+00	2.37E+00	2.45E+00	7.65E+00	3.55E+01	1.27E+04

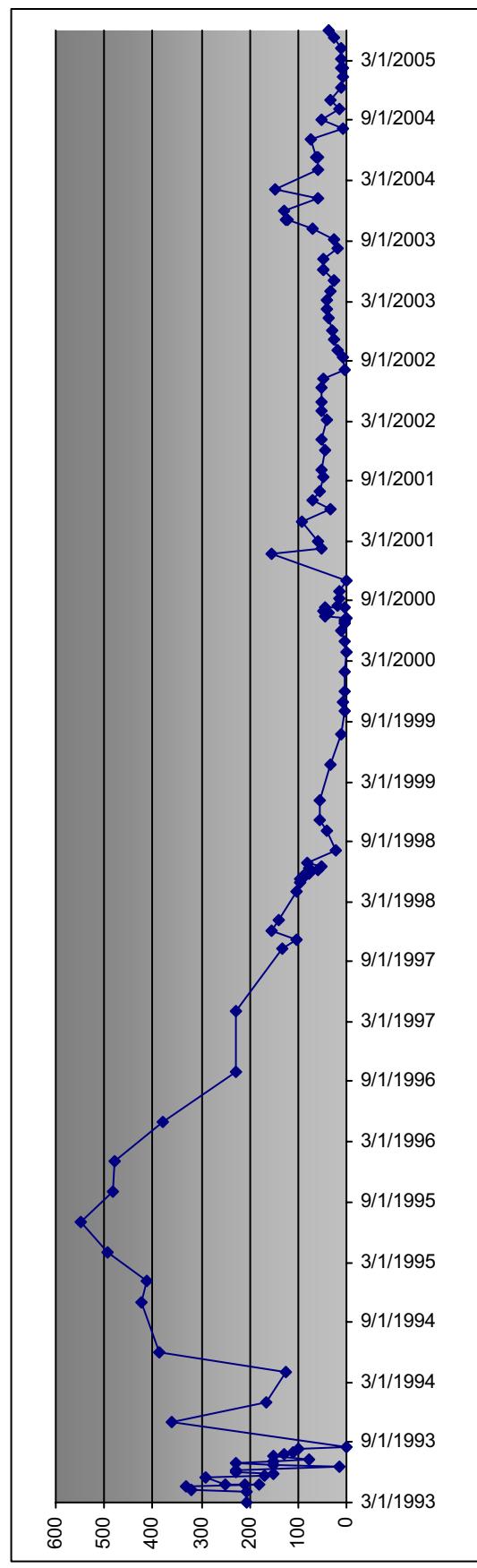


Figure F-56. Carbon Tetrachloride concentrations (ppmv) for Well Port 8902-4

Table F-57. Monitoring data for Well 8902-6 from January through June, 2005.

Well Port 8902-6	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267020 ft	Northing 669114 ft	Purge Time 4 sec	Depth 71 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 10:04 AM	1/11/2005 2:56 PM	7.07E+00	2.20E+00	7.39E-01	3.32E+00	8.39E+00	1.41E+03
2/9/2005 12:31 PM	2/10/2005 12:26 PM	6.18E+00	2.11E+00	2.68E+00	3.14E+00	8.17E+00	5.02E+03
3/8/2005 3:18 PM	3/10/2005 9:28 AM	6.16E+00	2.02E+00	2.73E+00	4.70E+00	1.08E+01	9.88E+03
4/5/2005 3:40 PM	4/6/2005 11:00 AM	4.44E+00	1.55E+00	2.09E+00	2.53E+00	7.76E+00	8.55E+03
5/10/2005 3:01 PM	5/11/2005 1:55 PM	7.54E+00	1.58E+00	1.31E+00	5.85E+00	2.17E+01	1.68E+04
6/1/2005 1:29 PM	6/2/2005 3:41 PM	6.12E+00	1.49E+00	1.80E+00	4.63E+00	1.05E+01	1.24E+04

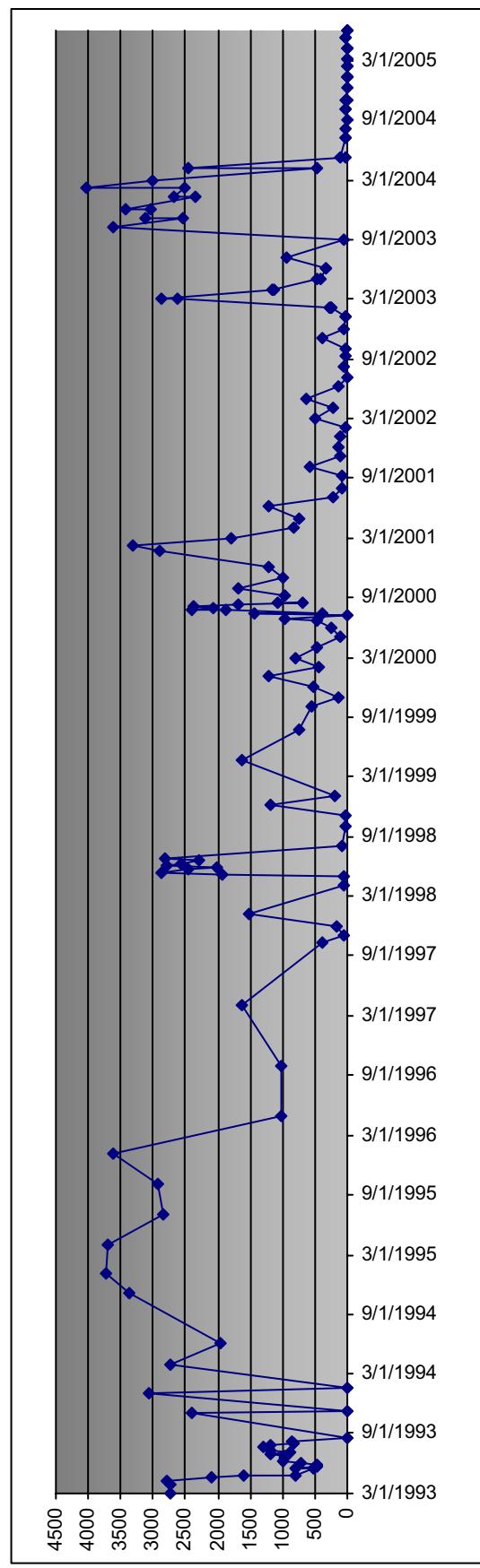


Figure F-57. Carbon Tetrachloride concentrations (ppmv) for Well Port 8902-6

Table F-58. Monitoring data for Well 9301-1 from January through June, 2005.

Well Port 9301-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267112 ft	Northing 669228 ft	Purge Time 13 sec	Depth 231 ft
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Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 10:36 AM	1/11/2005 3:44 PM	5.06E+00	1.93E+00	8.32E-01	2.48E+00	5.35E+00	1.39E+03
3/8/2005 3:05 PM	3/10/2005 9:34 AM	3.15E+00	1.37E+00	2.32E+00	3.29E+00	6.49E+00	9.87E+03
4/5/2005 1:41 PM	4/6/2005 11:06 AM	2.73E+00	1.08E+00	1.53E+00	1.48E+00	2.92E+00	8.41E+03
5/10/2005 3:24 PM	5/11/2005 2:01 PM	5.58E+00	1.24E+00	1.22E+00	4.54E+00	1.26E+01	1.67E+04
6/1/2005 1:30 PM	6/2/2005 2:05 PM	3.43E+00	7.34E-01	5.58E-01	2.40E+00	4.24E+00	1.35E+04

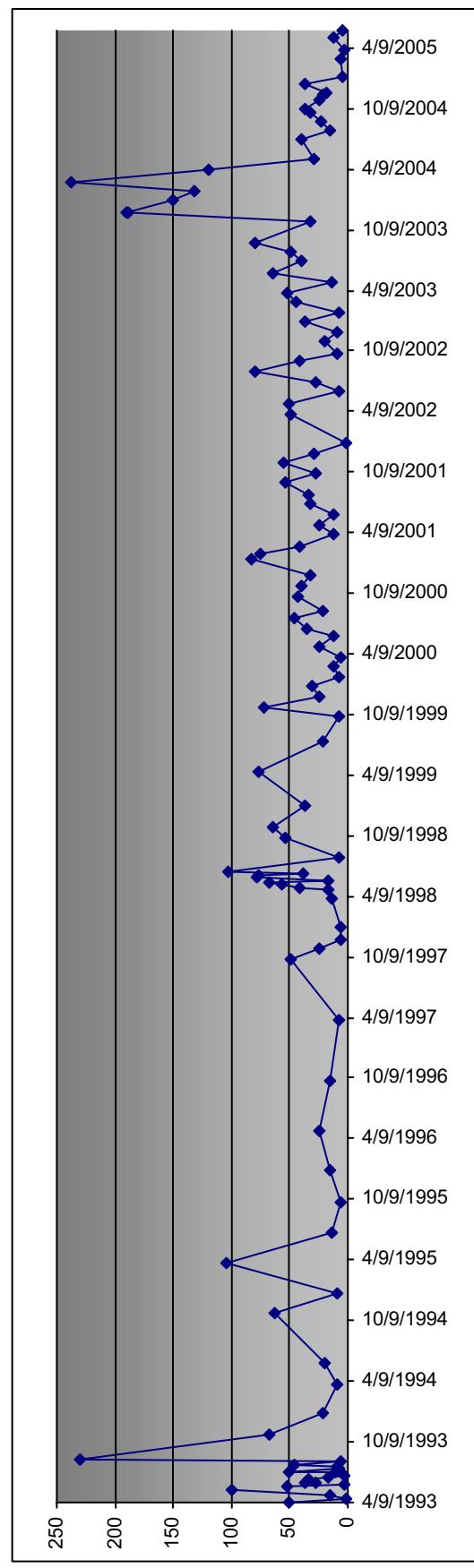


Figure F-58. Carbon Tetrachloride concentrations (ppmv) for Well Port 9301-1

Table F-59. Monitoring data for Well 9301-4 from January through June, 2005.

Well Port 9301-4	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267112 ft	Northing 669228 ft	Purge Time 8 sec	Depth 136 ft
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Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 10:14 AM	1/11/2005 3:47 PM	5.79E+00	2.08E+00	7.55E-01	2.68E+00	6.91E+00	1.39E+03
3/8/2005 3:06 PM	3/10/2005 9:37 AM	2.83E+00	1.14E+00	2.25E+00	2.71E+00	5.15E+00	9.88E+03
4/5/2005 1:39 PM	4/6/2005 11:09 AM	2.52E+00	9.87E-01	1.40E+00	1.19E+00	2.09E+00	8.43E+03
5/10/2005 3:26 PM	5/11/2005 2:04 PM	3.05E+00	6.38E-01	8.14E-01	2.85E+00	6.95E+00	1.64E+04
6/1/2005 1:31 PM	6/2/2005 2:08 PM	2.38E+00	3.95E-01	4.29E-01	1.55E+00	2.19E+00	1.34E+04

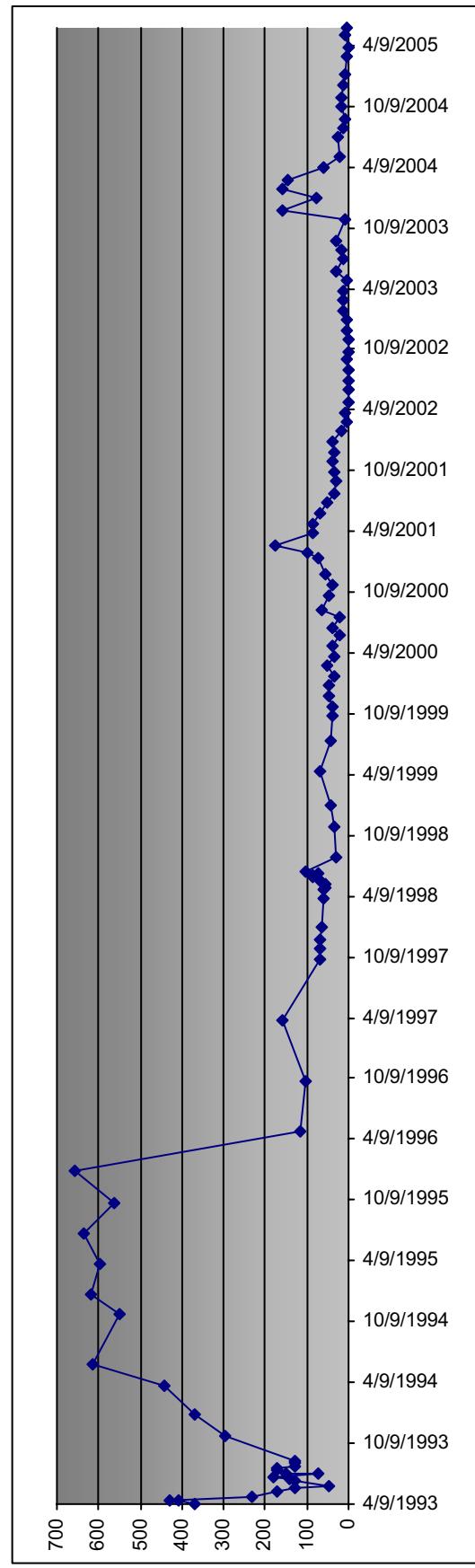


Figure F-59. Carbon Tetrachloride concentrations (ppmv) for Well Port 9301-4

Table F-60. Monitoring data for Well 9301-6 from January through June, 2005.

Well Port 9301-6	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267112 ft	Northing 669228 ft	Purge Time 4 sec	Depth 77 ft
1/10/2005	10:15 AM	1/11/2005	3:50 PM	6.15E+00	1.97E+00	5.44E-01
3/8/2005	3:07 PM	3/10/2005	9:40 AM	3.52E+00	1.48E+00	2.05E+00
4/5/2005	1:40 PM	4/6/2005	11:12 AM	2.56E+00	9.24E-01	1.35E+00
5/10/2005	3:28 PM	5/11/2005	2:07 PM	6.42E+00	1.65E+00	1.78E+00
6/1/2005	1:32 PM	6/2/2005	2:11 PM	1.42E+01	3.75E+00	2.69E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 10:15 AM	1/11/2005 3:50 PM	6.15E+00	1.97E+00	5.44E-01	2.85E+00	6.45E+00	1.39E+03
3/8/2005 3:07 PM	3/10/2005 9:40 AM	3.52E+00	1.48E+00	2.05E+00	3.03E+00	7.03E+00	9.91E+03
4/5/2005 1:40 PM	4/6/2005 11:12 AM	2.56E+00	9.24E-01	1.35E+00	1.15E+00	1.75E+00	8.45E+03
5/10/2005 3:28 PM	5/11/2005 2:07 PM	6.42E+00	1.65E+00	1.78E+00	3.81E+00	1.80E+01	1.60E+04
6/1/2005 1:32 PM	6/2/2005 2:11 PM	1.42E+01	3.75E+00	2.69E+00	1.01E+01	5.47E+01	1.41E+04

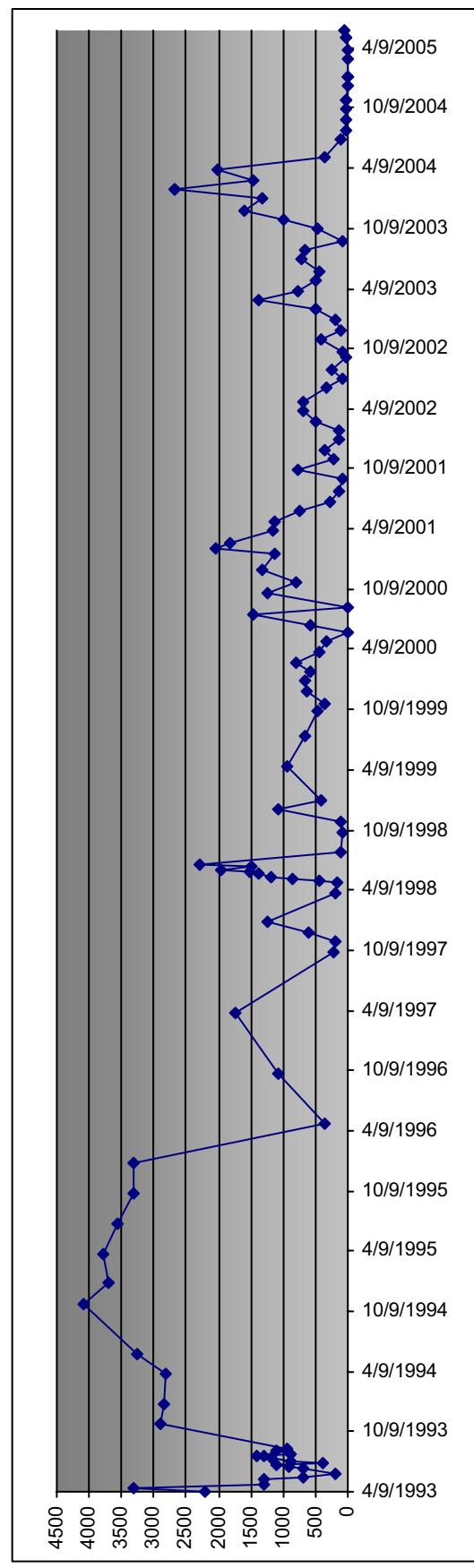


Figure F-60. Carbon Tetrachloride concentrations (ppmv) for Well Port 9301-6

Table F-61. Monitoring data for Well 9302-1 from January through June, 2005.

Well Port 9302-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267197 ft	Northing 669234 ft	Purge Time 14 sec	Depth 240 ft
1/10/2005	9:55 AM	1/11/2005	3:59 PM	6.68E+00	2.74E+00	5.55E+00
3/8/2005	3:08 PM	3/10/2005	9:43 AM	3.12E+00	1.39E+00	2.15E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	9:55 AM	1/11/2005	3:59 PM	6.68E+00	2.74E+00	5.55E+00	1.46E+01
3/8/2005	3:08 PM	3/10/2005	9:43 AM	3.12E+00	1.39E+00	3.09E+00	7.32E+00

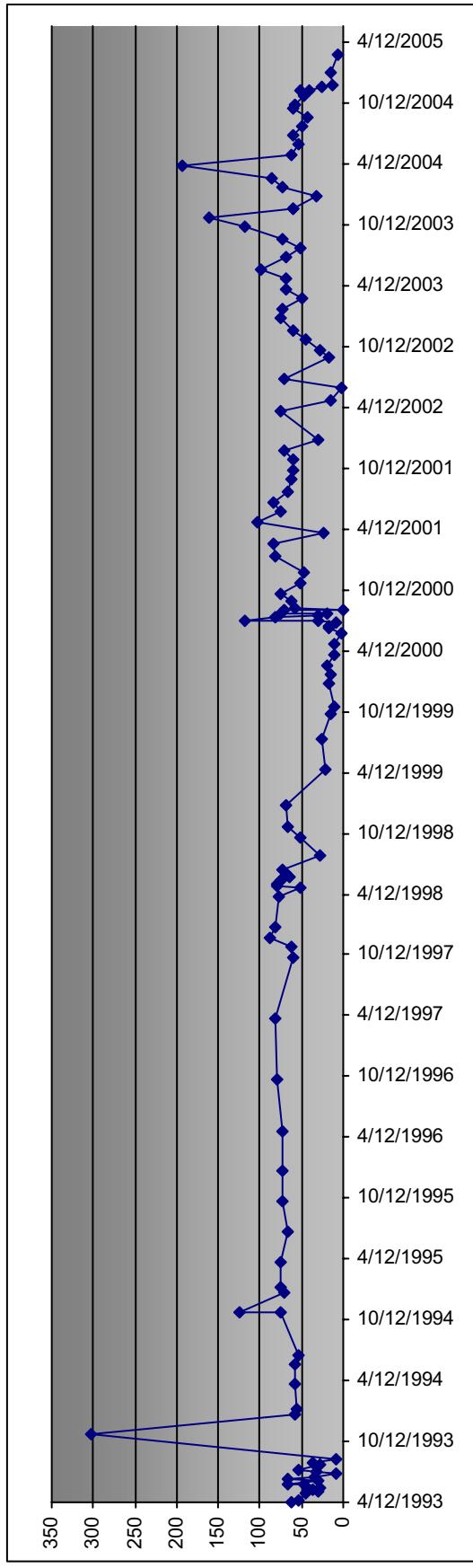


Figure F-61. Carbon Tetrachloride concentrations (ppmv) for Well Port 9302-1

Table F-62. Monitoring data for Well 9302-4 from January through June, 2005.

Well Port 9302-4	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267197 ft	Northing 669234 ft	Purge Time 8 sec	Depth 134 ft
1/10/2005	9:56 AM	1/11/2005	4:02 PM	4.47E+00	5.94E-01	3.73E+00
3/8/2005	3:08 PM	3/10/2005	9:46 AM	2.49E+00	1.12E+00	2.03E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	9:56 AM	1/11/2005	4:02 PM	4.47E+00	5.94E-01	3.73E+00	6.24E+00
3/8/2005	3:08 PM	3/10/2005	9:46 AM	2.49E+00	1.12E+00	2.03E+00	4.96E+00

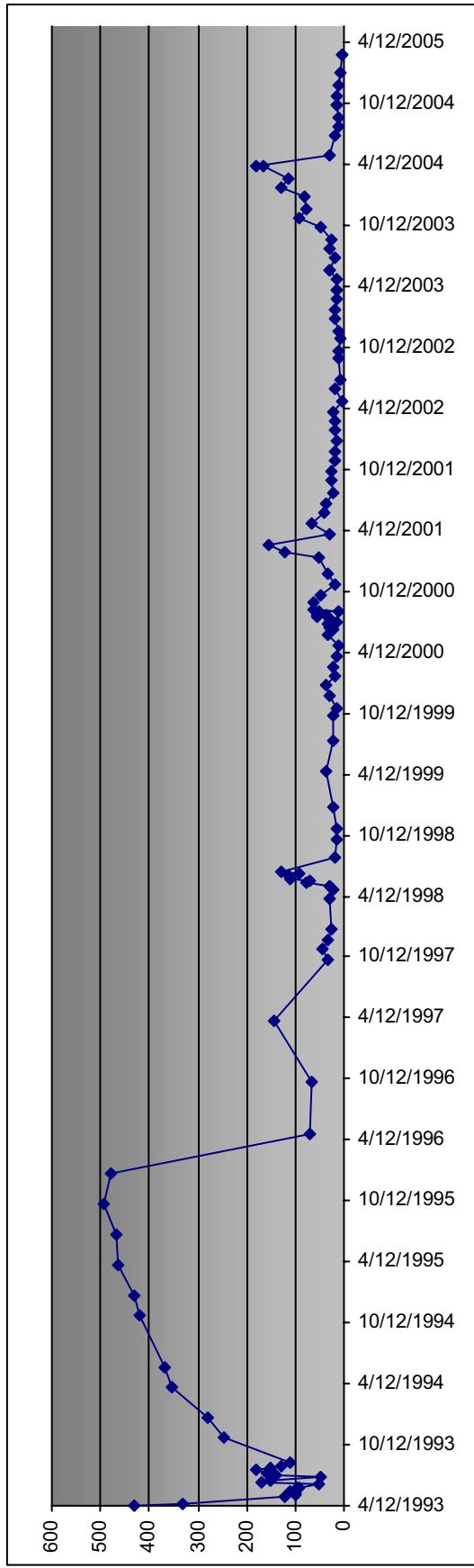


Figure F-62. Carbon Tetrachloride concentrations (ppmv) for Well Port 9302-4

Table F-63. Monitoring data for Well 9302-6 from January through June, 2005.

Well Port 9302-6	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267197 ft	Northing 669234 ft	Purge Time 4 sec	Depth 77 ft
1/10/2005	9:56 AM	1/11/2005	4:02 PM	4.47E+00	1.85E+00	5.94E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	9:56 AM	1/11/2005	4:02 PM	4.47E+00	1.85E+00	5.94E-01	3.73E+00

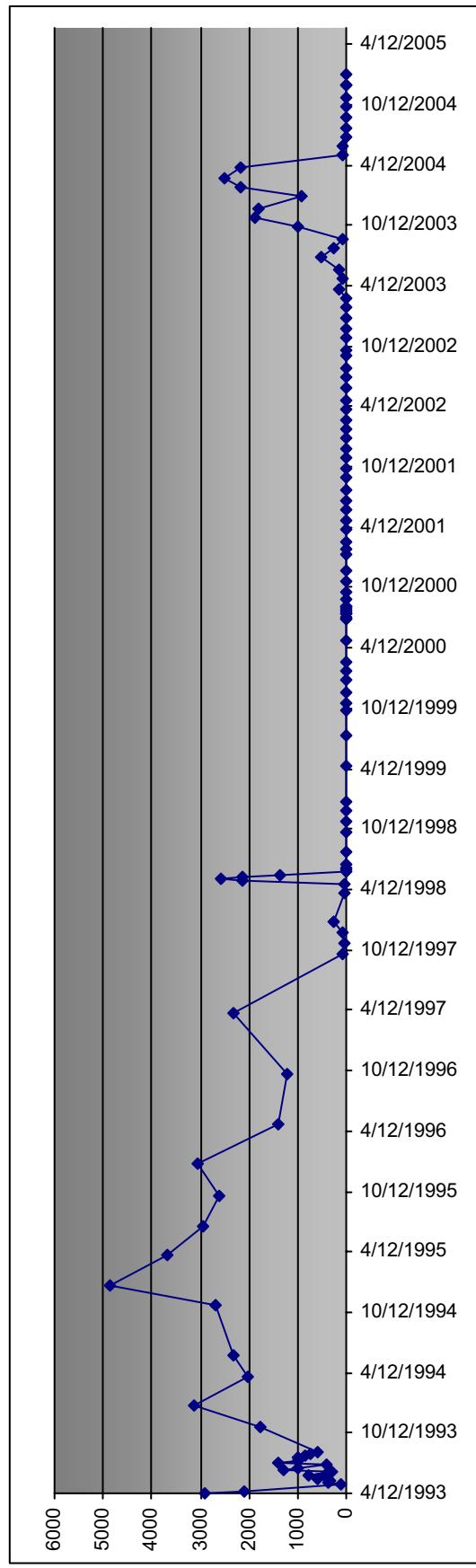


Figure F-63. Carbon Tetrachloride concentrations (ppmv) for Well Port 9302-6

Table F-64. Monitoring data for Well D02-3 from January through June, 2005.

Well Port D02-3	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267179 ft	Northing 669683 ft	Purge Time 4 sec	Depth 69 ft
1/10/2005	3:20 PM	1/11/2005	1:11 PM	1.24E+02	2.50E+01	1.53E+01
2/9/2005	12:45 PM	2/10/2005	12:32 PM	3.97E+01	8.74E+00	4.29E+00
3/8/2005	10:33 AM	3/10/2005	9:55 AM	7.73E+01	1.49E+01	4.81E+01
4/4/2005	10:04 AM	4/5/2005	10:35 AM	1.26E+02	2.19E+01	5.93E+00
5/10/2005	11:44 AM	5/11/2005	1:37 PM	8.78E+01	1.59E+01	4.32E+00
6/1/2005	11:29 AM	6/2/2005	2:14 PM	1.92E+02	2.96E+01	8.12E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	3:20 PM	1.24E+02	2.50E+01	1.53E+01	5.64E+01	3.37E+02	1.55E+03
2/9/2005	12:45 PM	3.97E+01	8.74E+00	4.29E+00	1.06E+01	1.07E+02	5.21E+03
3/8/2005	10:33 AM	7.73E+01	1.49E+01	4.81E+01	2.59E+01	2.21E+02	1.03E+04
4/4/2005	10:04 AM	1.26E+02	2.19E+01	5.93E+00	6.21E+01	3.61E+02	8.53E+03
5/10/2005	11:44 AM	8.78E+01	1.59E+01	4.32E+00	3.65E+01	2.65E+02	1.82E+04
6/1/2005	11:29 AM	1.92E+02	2.96E+01	8.12E+00	1.34E+02	5.27E+02	1.24E+04

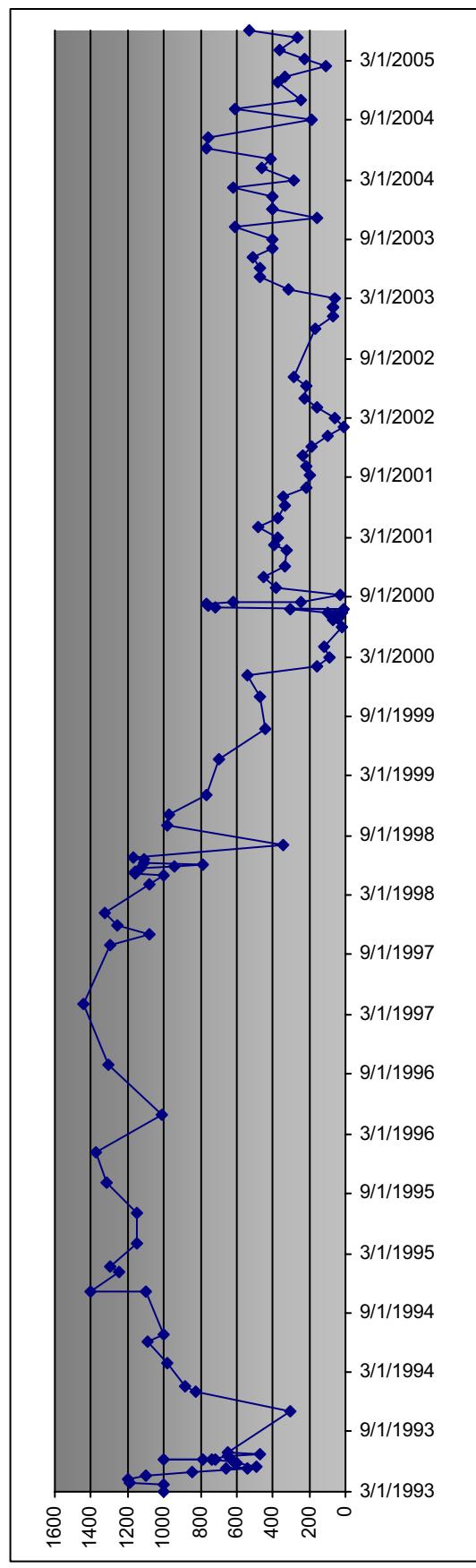


Figure F-64. Carbon Tetrachloride concentrations (ppmv) for Well Port D02-3

Table F-65. Monitoring data for Well D02-5 from January through June, 2005.

Well Port D02-5	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267179 ft	Northing 669683 ft	Purge Time 7 sec	Depth 125 ft
1/10/2005	3:21 PM	1/11/2005	1:14 PM	3.17E+01	7.61E+00	1.02E+01
2/9/2005	12:46 PM	2/10/2005	12:35 PM	4.02E+00	1.58E+00	2.79E+00
3/8/2005	10:34 AM	3/10/2005	9:58 AM	2.68E+01	4.24E+00	2.17E+01
4/4/2005	10:05 AM	4/5/2005	10:38 AM	3.88E+01	6.75E+00	2.83E+00
5/10/2005	11:45 AM	5/11/2005	1:40 PM	3.27E+01	4.39E+00	1.45E+00
6/1/2005	11:30 AM	6/2/2005	2:17 PM	2.77E+01	4.45E+00	2.59E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 3:21 PM	1/11/2005 1:14 PM	3.17E+01	7.61E+00	1.02E+01	3.18E+01	1.03E+02	1.51E+03
2/9/2005 12:46 PM	2/10/2005 12:35 PM	4.02E+00	1.58E+00	2.79E+00	1.03E+01	4.84E+03	
3/8/2005 10:34 AM	3/10/2005 9:58 AM	2.68E+01	4.24E+00	2.17E+01	9.28E+01	1.01E+04	
4/4/2005 10:05 AM	4/5/2005 10:38 AM	3.88E+01	6.75E+00	2.83E+00	1.29E+02	8.45E+03	
5/10/2005 11:45 AM	5/11/2005 1:40 PM	3.27E+01	4.39E+00	1.45E+00	3.26E+01	1.09E+02	1.74E+04
6/1/2005 11:30 AM	6/2/2005 2:17 PM	2.77E+01	4.45E+00	2.59E+00	3.73E+01	9.11E+01	1.22E+04

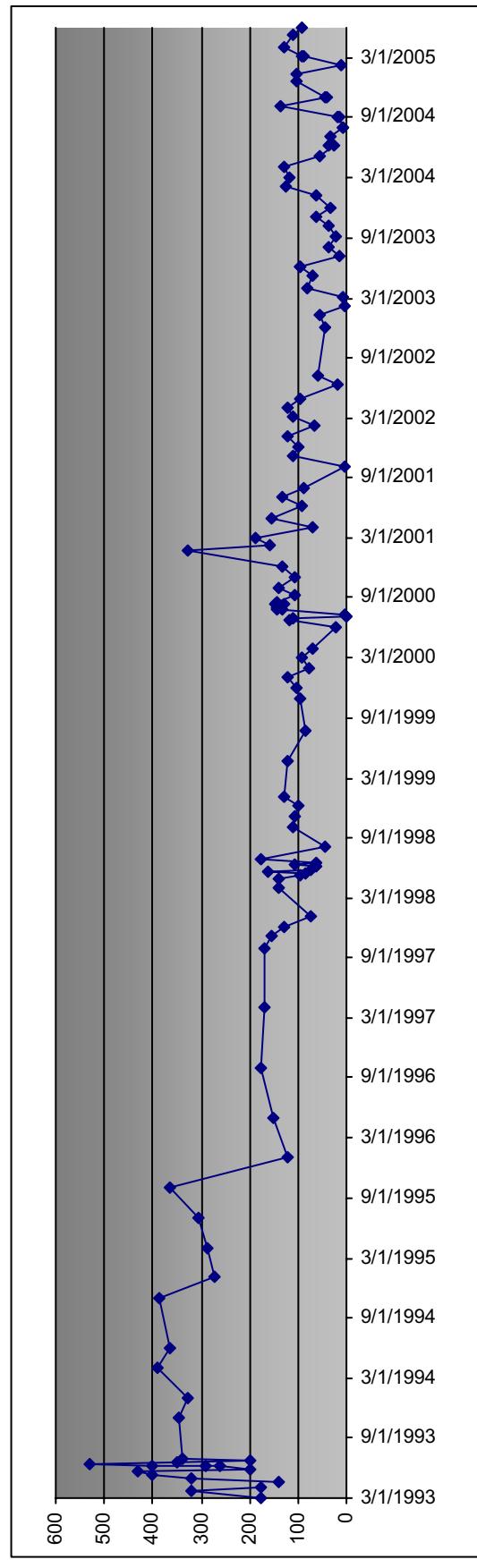


Figure F-65. Carbon Tetrachloride concentrations (ppmv) for Well Port D02-5

Table F-66. Monitoring data for Well D02-8 from January through June, 2005.

Well Port D02-8	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267179 ft	Northing 669683 ft	Purge Time 13 sec	Depth 231 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 3:22 PM	1/11/2005 1:17 PM	1.63E+01	5.01E+00	8.26E+00	2.04E+01	5.19E+01	1.56E+03
2/9/2005 12:47 PM	2/10/2005 12:38 PM	3.27E+00	1.50E+00	1.99E+00	2.48E+00	7.44E+00	4.99E+03
3/8/2005 10:35 AM	3/10/2005 10:04 AM	1.21E+01	2.19E+00	1.36E+00	1.45E+01	4.37E+01	1.01E+04
4/4/2005 10:06 AM	4/5/2005 10:41 AM	3.35E+01	9.70E+00	5.04E+00	3.43E+01	1.45E+02	8.35E+03
5/10/2005 11:46 AM	5/11/2005 1:43 PM	3.08E+01	8.37E+00	3.88E+00	2.77E+01	1.27E+02	1.74E+04
6/1/2005 11:31 AM	6/2/2005 2:20 PM	3.11E+01	9.50E+00	5.01E+00	3.69E+01	1.61E+02	1.22E+04

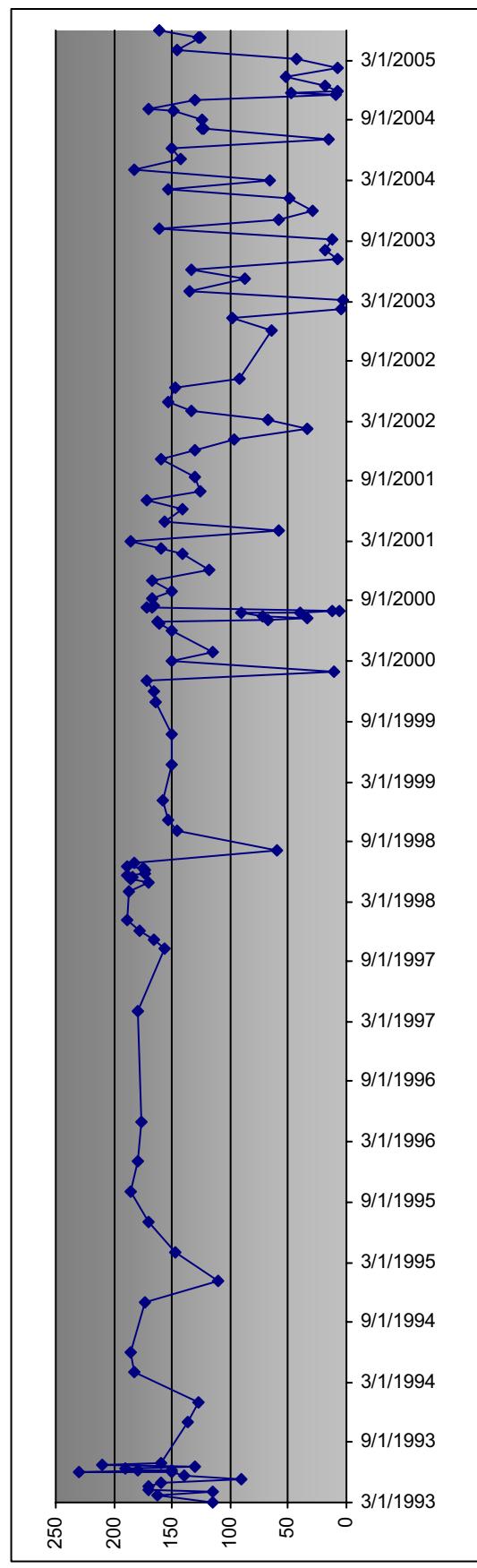


Figure F-66. Carbon Tetrachloride concentrations (ppmv) for Well Port D02-8

Table F-67. Monitoring data for Well DE1-1 from January through June, 2005.

Well Port DE1-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267157 ft	Northing 669365 ft	Purge Time 23 sec	Depth 396 ft
2/10/2005	9:24 AM	2/10/2005	4:13 PM	3.77E+00	6.49E-01	2.23E+00
3/8/2005	3:39 PM	3/9/2005	10:32 AM	5.49E+00	1.20E+01	8.48E+00
4/5/2005	8:26 AM	4/6/2005	10:15 AM	3.82E+00	2.67E+00	6.32E+00
5/10/2005	3:36 PM	5/12/2005	9:09 AM	2.62E+00	1.28E+00	2.35E+00
6/1/2005	3:06 PM	6/2/2005	1:35 PM	2.88E+00	1.12E+00	9.07E-01

Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
2/10/2005	9:24 AM	2/10/2005	4:13 PM	3.77E+00	6.49E-01	2.23E+00	5.17E+00
3/8/2005	3:39 PM	3/9/2005	10:32 AM	5.49E+00	1.20E+01	8.48E+00	1.25E+01
4/5/2005	8:26 AM	4/6/2005	10:15 AM	3.82E+00	2.67E+00	6.32E+00	4.18E+00
5/10/2005	3:36 PM	5/12/2005	9:09 AM	2.62E+00	1.28E+00	2.35E+00	2.03E+00
6/1/2005	3:06 PM	6/2/2005	1:35 PM	2.88E+00	1.12E+00	9.07E-01	2.83E+00

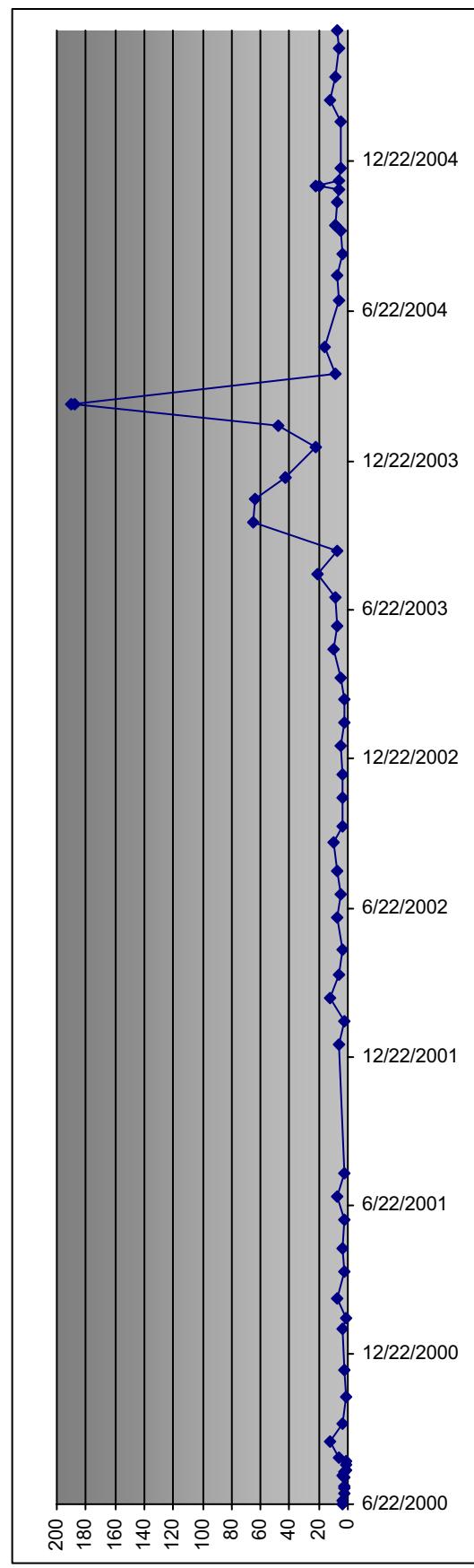


Figure F-67. Carbon Tetrachloride concentrations (ppmv) for Well Port DE1-1

Table F-68. Monitoring data for Well DE1-2 from January through June, 2005.

Well Port DE1-2	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267157 ft	Northing 669365 ft	Purge Time 22 sec	Depth 375 ft
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Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
2/10/2005 9:25 AM	2/10/2005 4:16 PM	3.09E+00	1.01E+00	5.37E-01	1.95E+00	4.24E+00	6.30E+03
3/8/2005 3:38 PM	3/9/2005 10:35 AM	4.79E+00	3.79E+00	1.05E+01	7.36E+00	1.06E+01	9.05E+03
4/5/2005 8:27 AM	4/6/2005 10:18 AM	3.30E+00	2.38E+00	6.18E+00	3.60E+00	7.11E+00	8.38E+03
5/10/2005 3:37 PM	5/12/2005 9:12 AM	2.33E+00	1.04E+00	2.05E+00	1.87E+00	4.72E+00	1.32E+04
6/1/2005 3:06 PM	6/2/2005 1:38 PM	2.27E+00	7.70E-01	5.48E-01	2.02E+00	3.98E+00	1.27E+04

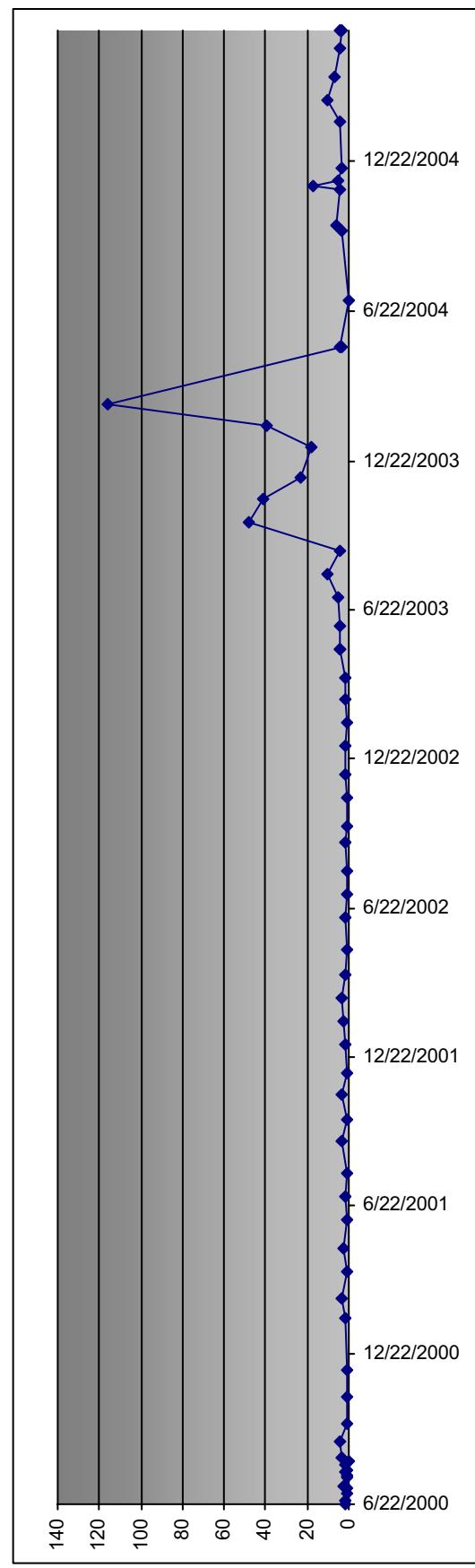


Figure F-68. Carbon Tetrachloride concentrations (ppmv) for Well Port DE1-2

Table F-69. Monitoring data for Well DE1-3 from January through June, 2005.

Well Port DE1-3	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267157 ft	Northing 669365 ft	Purge Time 20 sec	Depth 343 ft
2/10/2005	9:26 AM	2/10/2005	4:20 PM	2.86E+00	8.82E-01	4.96E-01
3/8/2005	3:37 PM	3/9/2005	10:38 AM	4.38E+00	3.47E+00	9.46E+00
4/5/2005	8:28 AM	4/6/2005	10:21 AM	2.96E+00	2.18E+00	5.53E+00
5/10/2005	3:38 PM	5/12/2005	9:15 AM	2.38E+00	8.51E-01	1.67E+00
6/1/2005	3:08 PM	6/2/2005	1:50 PM	1.97E+00	5.46E-01	4.19E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
2/10/2005	9:26 AM	2/10/2005	4:20 PM	2.86E+00	8.82E-01	4.96E-01	6.34E+03
3/8/2005	3:37 PM	3/9/2005	10:38 AM	4.38E+00	3.47E+00	6.57E+00	9.11E+03
4/5/2005	8:28 AM	4/6/2005	10:21 AM	2.96E+00	2.18E+00	5.53E+00	8.35E+03
5/10/2005	3:38 PM	5/12/2005	9:15 AM	2.38E+00	8.51E-01	1.67E+00	1.32E+04
6/1/2005	3:08 PM	6/2/2005	1:50 PM	1.97E+00	5.46E-01	4.19E-01	1.19E+04

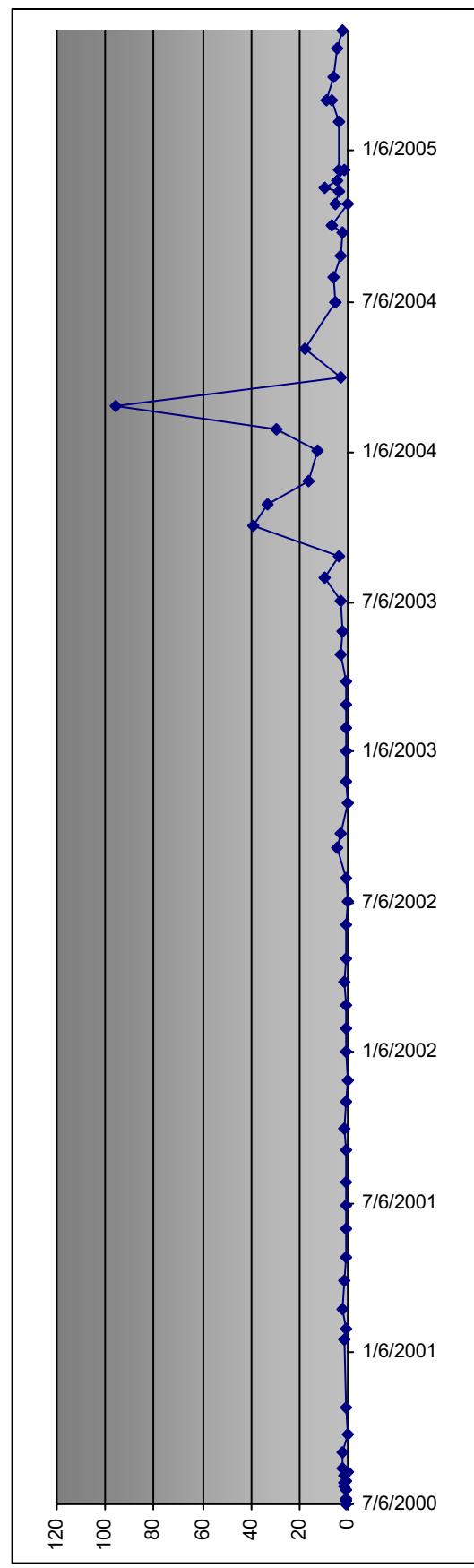


Figure F-69. Carbon Tetrachloride concentrations (ppmv) for Well Port DE1-3

Table F-70. Monitoring data for Well DE1-4 from January through June, 2005.

Well Port DE1-4	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267157 ft	Northing 669365 ft	Purge Time 17 sec	Depth 292 ft
2/10/2005	9:27 AM	2/10/2005	4:23 PM	2.69E+00	9.62E-01	3.12E-01
3/8/2005	3:36 PM	3/9/2005	10:44 AM	4.20E+00	3.29E+00	8.75E+00
4/5/2005	8:29 AM	4/6/2005	10:24 AM	2.95E+00	1.95E+00	4.85E+00
5/10/2005	3:59 PM	5/12/2005	9:18 AM	2.15E+00	7.90E-01	1.59E+00
6/1/2005	3:09 PM	6/2/2005	1:53 PM	1.90E+00	3.66E-01	3.28E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
2/10/2005	9:27 AM	2/10/2005	4:23 PM	2.69E+00	9.62E-01	3.12E-01	6.17E+03
3/8/2005	3:36 PM	3/9/2005	10:44 AM	4.20E+00	3.29E+00	8.75E+00	9.39E+03
4/5/2005	8:29 AM	4/6/2005	10:24 AM	2.95E+00	1.95E+00	4.85E+00	8.39E+03
5/10/2005	3:59 PM	5/12/2005	9:18 AM	2.15E+00	7.90E-01	1.59E+00	1.32E+04
6/1/2005	3:09 PM	6/2/2005	1:53 PM	1.90E+00	3.66E-01	3.28E-01	1.24E+04

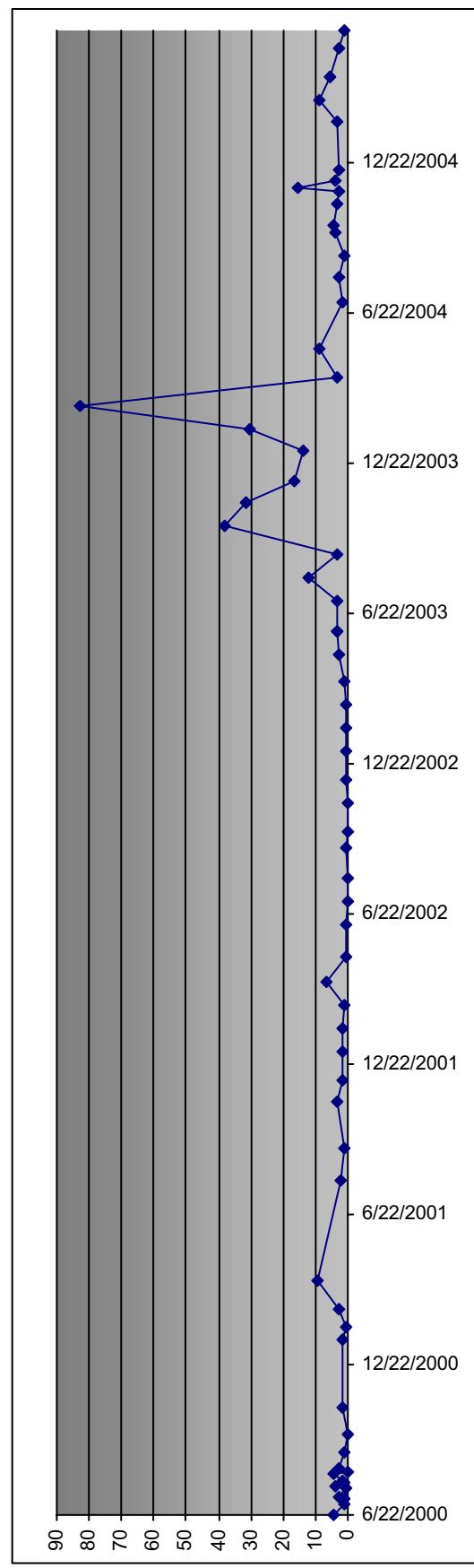


Figure F-70. Carbon Tetrachloride concentrations (ppmv) for Well Port DE1-4

Table F-71. Monitoring data for Well DE3-1 from January through June, 2005.

Well Port DE3-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267357 ft	Northing 669778 ft	Purge Time 28 sec	Depth 481 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 3:00 PM	1/11/2005 1:35 PM	7.42E+00	3.51E+00	4.26E+00	6.96E+00	1.84E+01	1.55E+03
2/9/2005 1:10 PM	2/10/2005 12:47 PM	2.69E+00	1.46E+00	1.60E+00	1.42E+00	3.69E+00	4.82E+03
3/8/2005 9:54 AM	3/9/2005 1:29 PM	2.98E+00	1.06E+00	6.56E-01	2.61E+00	4.98E+00	1.08E+04
4/4/2005 9:48 AM	4/5/2005 11:08 AM	4.03E+00	1.45E+00	1.20E+00	4.39E+00	9.18E+00	8.38E+03
5/10/2005 11:11 AM	5/12/2005 9:24 AM	3.20E+00	1.17E+00	1.41E+00	2.31E+00	6.15E+00	1.31E+04
6/1/2005 11:16 AM	6/2/2005 1:20 PM	2.23E+00	8.07E-01	5.71E-01	1.44E+00	2.53E+00	1.34E+04

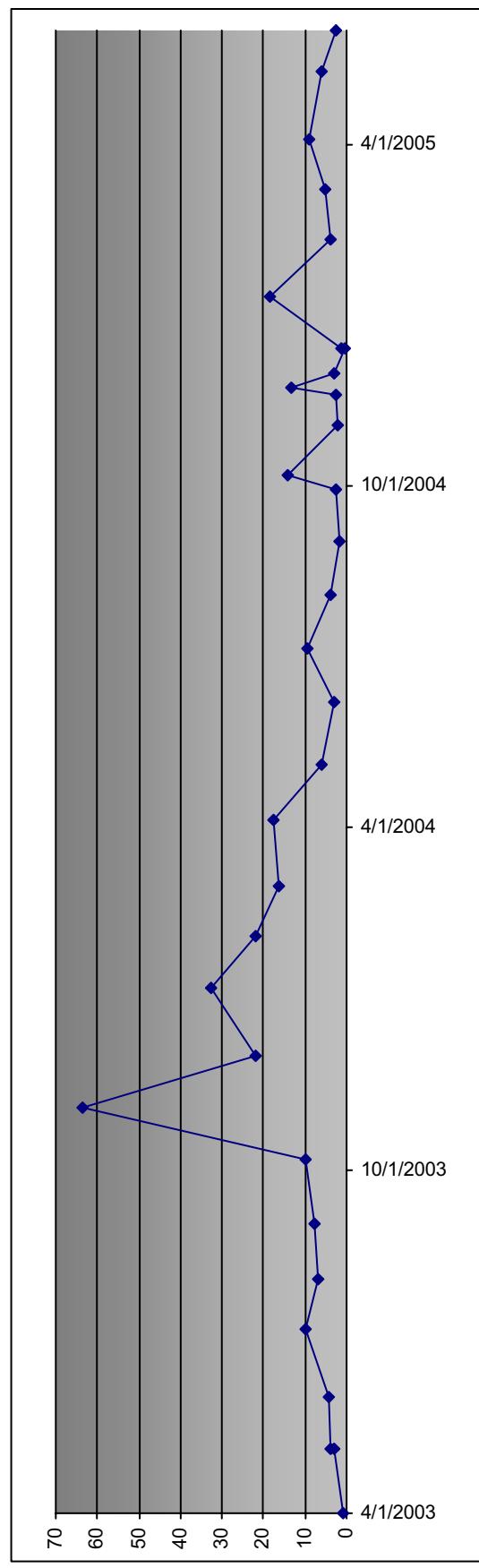


Figure F-71. Carbon Tetrachloride concentrations (ppmv) for Well Port DE3-1

Table F-72. Monitoring data for Well DE3-2 from January through June, 2005.

Well Port DE3-2	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267357 ft	Northing 669778 ft	Purge Time 26 sec	Depth 443 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 3:01 PM	1/11/2005 1:38 PM	7.74E+00	3.78E+00	4.65E+00	6.76E+00	1.85E+01	1.51E+03
2/9/2005 1:11 PM	2/10/2005 12:50 PM	2.66E+00	1.44E+00	1.53E+00	1.42E+00	3.25E+00	5.11E+03
3/8/2005 9:55 AM	3/9/2005 1:32 PM	2.94E+00	9.07E-01	6.58E-01	2.25E+00	4.44E+00	1.09E+04
4/4/2005 9:49 AM	4/5/2005 11:11 AM	3.85E+00	1.41E+00	1.20E+00	3.68E+00	8.18E+00	8.43E+03
5/10/2005 11:23 AM	5/12/2005 9:27 AM	3.36E+00	1.23E+00	1.36E+00	2.12E+00	6.08E+00	1.31E+04
6/1/2005 11:17 AM	6/2/2005 1:23 PM	2.17E+00	6.20E-01	5.20E-01	1.33E+00	3.00E+00	1.36E+04

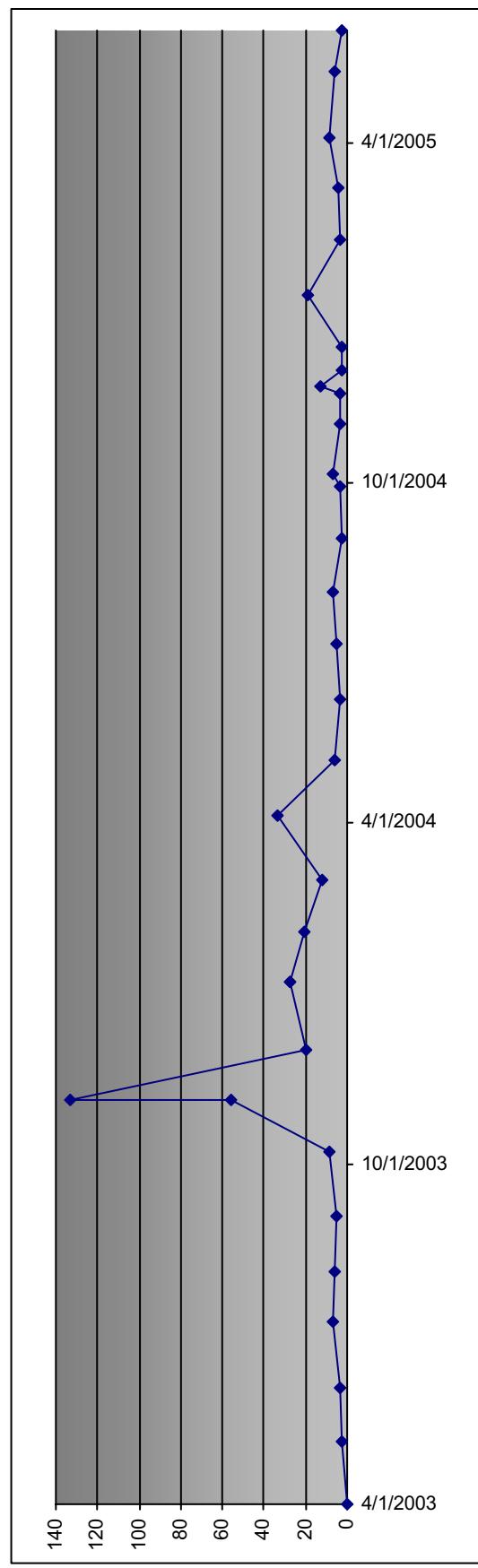


Figure F-72. Carbon Tetrachloride concentrations (ppmv) for Well Port DE3-2

Table F-73. Monitoring data for Well DE3-3 from January through June, 2005.

Well Port DE3-3	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267357 ft	Northing 669778 ft	Purge Time 22 sec	Depth 388 ft
1/10/2005	3:02 PM	1/11/2005	1:41 PM	7.56E+00	4.17E+00	6.35E+00
3/8/2005	9:56 AM	3/9/2005	1:35 PM	2.90E+00	8.80E-01	5.51E-01
4/4/2005	9:50 AM	4/5/2005	11:14 AM	3.86E+00	1.30E+00	1.20E+00
5/10/2005	11:25 AM	5/12/2005	9:30 AM	3.42E+00	1.28E+00	1.33E+00
6/1/2005	11:18 AM	6/2/2005	1:26 PM	2.60E+00	9.18E-01	7.19E-01

Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	3:02 PM	1/11/2005	1:41 PM	7.56E+00	4.17E+00	6.35E+00	1.74E+01
3/8/2005	9:56 AM	3/9/2005	1:35 PM	2.90E+00	8.80E-01	5.51E-01	1.51E+03
4/4/2005	9:50 AM	4/5/2005	11:14 AM	3.86E+00	1.30E+00	1.20E+00	4.15E+00
5/10/2005	11:25 AM	5/12/2005	9:30 AM	3.42E+00	1.28E+00	1.33E+00	3.41E+00
6/1/2005	11:18 AM	6/2/2005	1:26 PM	2.60E+00	9.18E-01	7.19E-01	8.01E+00

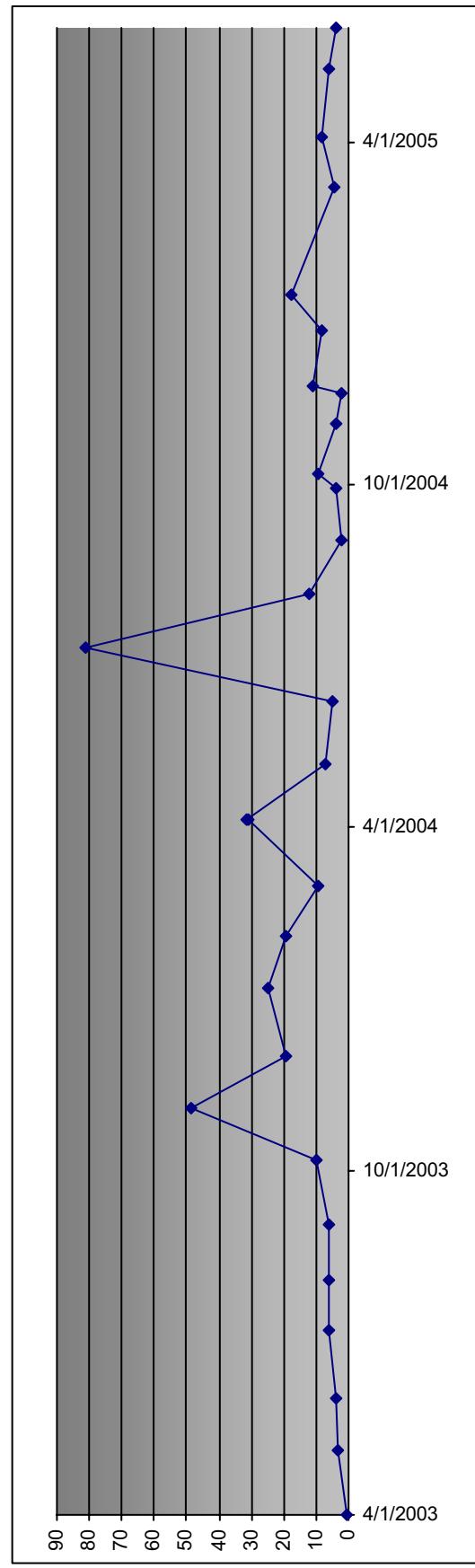


Figure F-73. Carbon Tetrachloride concentrations (ppmv) for Well Port DE3-3

Table F-74. Monitoring data for Well DE3-4 from January through June, 2005.

Well Port DE3-4	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267357 ft	Northing 669778 ft	Purge Time 13 sec	Depth 216 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 3:03 PM	1/11/2005 1:44 PM	1.71E+01	6.28E+00	4.74E+00	1.21E+01	5.22E+01	1.48E+03
2/9/2005 1:13 PM	2/10/2005 12:53 PM	1.25E+01	4.29E+00	2.21E+00	7.35E+00	4.02E+01	4.94E+03
3/8/2005 9:57 AM	3/9/2005 1:38 PM	8.59E+00	2.78E+00	1.23E+00	4.48E+00	2.42E+01	1.09E+04
4/4/2005 9:51 AM	4/5/2005 11:17 AM	1.34E+01	4.14E+00	1.87E+00	9.43E+00	4.34E+01	8.45E+03
5/10/2005 11:27 AM	5/12/2005 9:33 AM	9.37E+00	3.02E+00	1.69E+00	5.64E+00	3.06E+01	1.31E+04
6/1/2005 11:19 AM	6/2/2005 1:29 PM	1.71E+01	4.20E+00	1.56E+00	1.54E+01	5.54E+01	1.96E+04

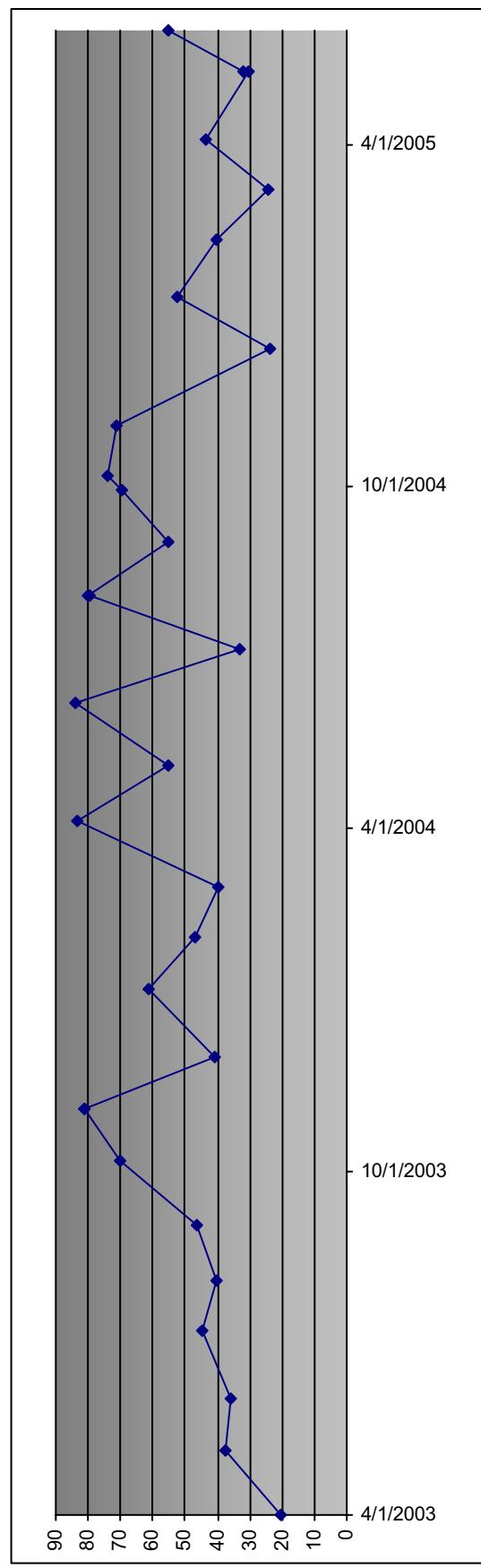


Figure F-74. Carbon Tetrachloride concentrations (ppmv) for Well Port DE3-4

Table F-75. Monitoring data for Well DE3-5 from January through June, 2005.

Well Port DE3-5	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267357 ft	Northing 669778 ft	Purge Time 11 sec	Depth 183 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 3:04 PM	1/11/2005 1:47 PM	1.13E+01	4.27E+00	3.91E+00	9.84E+00	2.95E+01	1.49E+03
2/9/2005 1:14 PM	2/10/2005 12:56 PM	7.60E+00	2.67E+00	1.60E+00	5.46E+00	2.04E+01	5.11E+03
3/8/2005 9:57 AM	3/9/2005 1:41 PM	7.07E+00	2.12E+00	9.16E-01	4.95E+00	1.84E+01	1.09E+04
4/4/2005 9:52 AM	4/5/2005 11:20 AM	9.05E+00	2.79E+00	1.29E+00	8.45E+00	2.70E+01	8.44E+03
5/10/2005 11:28 AM	5/12/2005 9:39 AM	6.64E+00	1.98E+00	1.27E+00	5.77E+00	1.96E+01	1.31E+04
6/1/2005 11:20 AM	6/2/2005 1:32 PM	7.97E+00	2.17E+00	1.15E+00	7.93E+00	2.01E+01	1.33E+04

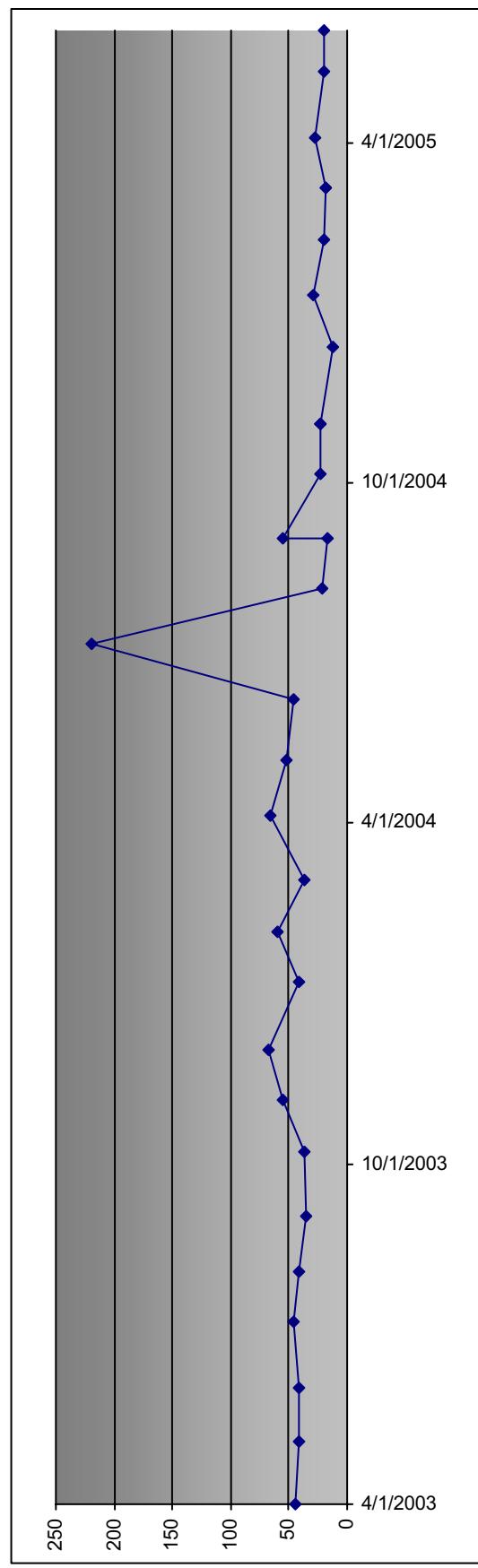


Figure F-75. Carbon Tetrachloride concentrations (ppmv) for Well Port DE3-5

Table F-76. Monitoring data for Well DE4-1 from January through June, 2005.

Well Port DE4-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266882 ft	Northing 669491 ft	Purge Time 25 sec	Depth 439 ft
1/10/2005	3:52 PM	1/11/2005	1:20 PM	1.22E+01	4.65E+00	7.25E+00
3/8/2005	3:43 PM	3/9/2005	1:56 PM	4.02E+00	1.08E+00	8.59E-01
4/5/2005	8:35 AM	4/6/2005	10:39 AM	4.10E+00	1.91E+00	3.37E+00
5/10/2005	4:17 PM	5/12/2005	9:54 AM	8.55E+00	1.85E+00	1.53E+00
6/1/2005	1:02 PM	6/2/2005	10:02 AM	5.84E+00	3.79E+00	9.41E+00

Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	3:52 PM	1/11/2005	1:20 PM	1.22E+01	4.65E+00	7.25E+00	1.24E+01
3/8/2005	3:43 PM	3/9/2005	1:56 PM	4.02E+00	1.08E+00	8.59E-01	3.15E+01
4/5/2005	8:35 AM	4/6/2005	10:39 AM	4.10E+00	1.91E+00	3.37E+00	5.46E+00
5/10/2005	4:17 PM	5/12/2005	9:54 AM	8.55E+00	1.85E+00	1.53E+00	8.06E+00
6/1/2005	1:02 PM	6/2/2005	10:02 AM	5.84E+00	3.79E+00	9.41E+00	1.58E+01

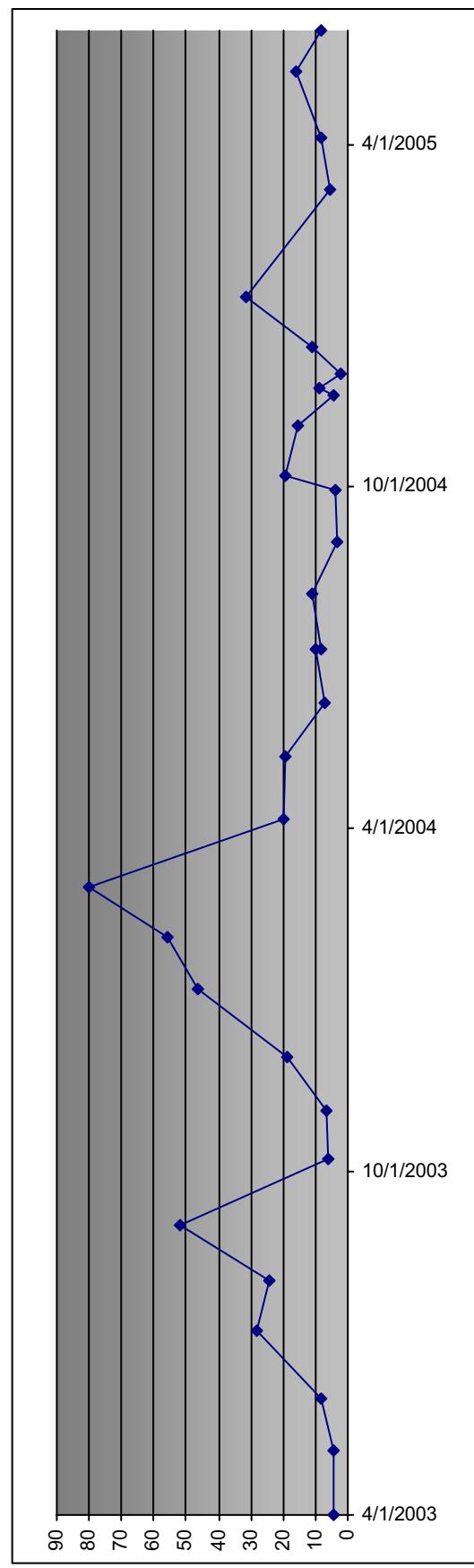


Figure F-76. Carbon Tetrachloride concentrations (ppmv) for Well Port DE4-1

Table F-77. Monitoring data for Well DE4-2 from January through June, 2005.

Well Port DE4-2	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266882 ft	Northing 669491 ft	Purge Time 24 sec	Depth 412 ft
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Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 3:53 PM	1/11/2005 1:23 PM	9.41E+00	3.97E+00	6.31E+00	9.70E+00	2.32E+01	1.51E+03
2/10/2005 8:48 AM	2/10/2005 4:37 PM	4.35E+00	1.38E+00	7.48E-01	1.66E+00	4.36E+00	6.24E+03
3/8/2005 3:44 PM	3/9/2005 1:59 PM	3.11E+00	9.51E-01	7.52E-01	2.01E+00	3.73E+00	1.08E+04
4/5/2005 8:36 AM	4/6/2005 10:42 AM	3.22E+00	1.56E+00	2.94E+00	1.96E+00	5.01E+00	8.46E+03
5/10/2005 4:18 PM	5/12/2005 10:09 AM	4.29E+00	1.13E+00	1.16E+00	3.45E+00	8.07E+00	1.30E+04
6/1/2005 1:04 PM	6/2/2005 10:05 AM	4.67E+00	3.22E+00	7.93E+00	6.74E+00	6.56E+00	1.67E+04

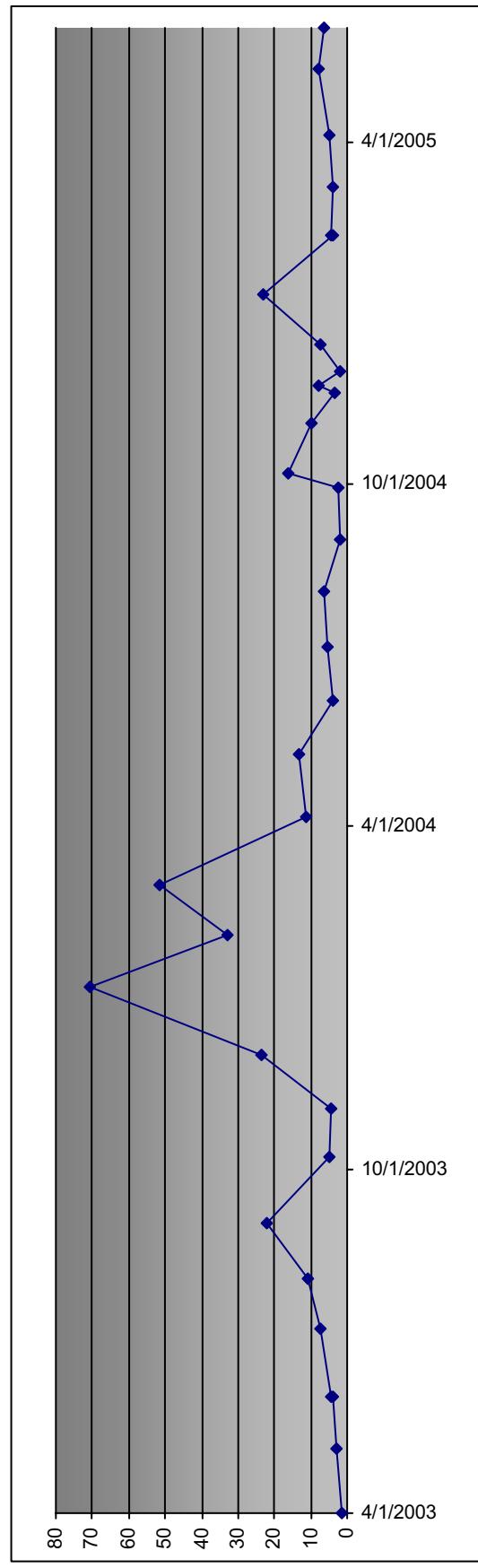


Figure F-77. Carbon Tetrachloride concentrations (ppmv) for Well Port DE4-2

Table F-78. Monitoring data for Well DE4-3 from January through June, 2005.

Well Port DE4-3	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266882 ft	Northing 669491 ft	Purge Time 23 sec	Depth 390 ft
1/10/2005	3:54 PM	1/11/2005	1:26 PM	8.51E+00	5.75E+00	8.35E+00
2/10/2005	8:49 AM	2/10/2005	4:44 PM	3.96E+00	7.46E-01	1.50E+00
3/8/2005	3:45 PM	3/9/2005	2:02 PM	3.27E+00	1.10E+00	8.97E-01
4/5/2005	8:37 AM	4/6/2005	10:45 AM	3.48E+00	1.69E+00	2.84E+00
5/10/2005	4:19 PM	5/12/2005	10:15 AM	3.71E+00	1.04E+00	9.64E-01
6/1/2005	1:04 PM	6/2/2005	10:05 AM	4.67E+00	3.22E+00	7.93E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	3:54 PM	1/11/2005	1:26 PM	8.51E+00	5.75E+00	8.35E+00	1.98E+01
2/10/2005	8:49 AM	2/10/2005	4:44 PM	3.96E+00	7.46E-01	1.50E+00	4.09E+00
3/8/2005	3:45 PM	3/9/2005	2:02 PM	3.27E+00	1.10E+00	8.97E-01	3.91E+00
4/5/2005	8:37 AM	4/6/2005	10:45 AM	3.48E+00	1.69E+00	2.84E+00	4.98E+00
5/10/2005	4:19 PM	5/12/2005	10:15 AM	3.71E+00	1.04E+00	9.64E-01	2.40E+00
6/1/2005	1:04 PM	6/2/2005	10:05 AM	4.67E+00	3.22E+00	7.93E+00	6.74E+00

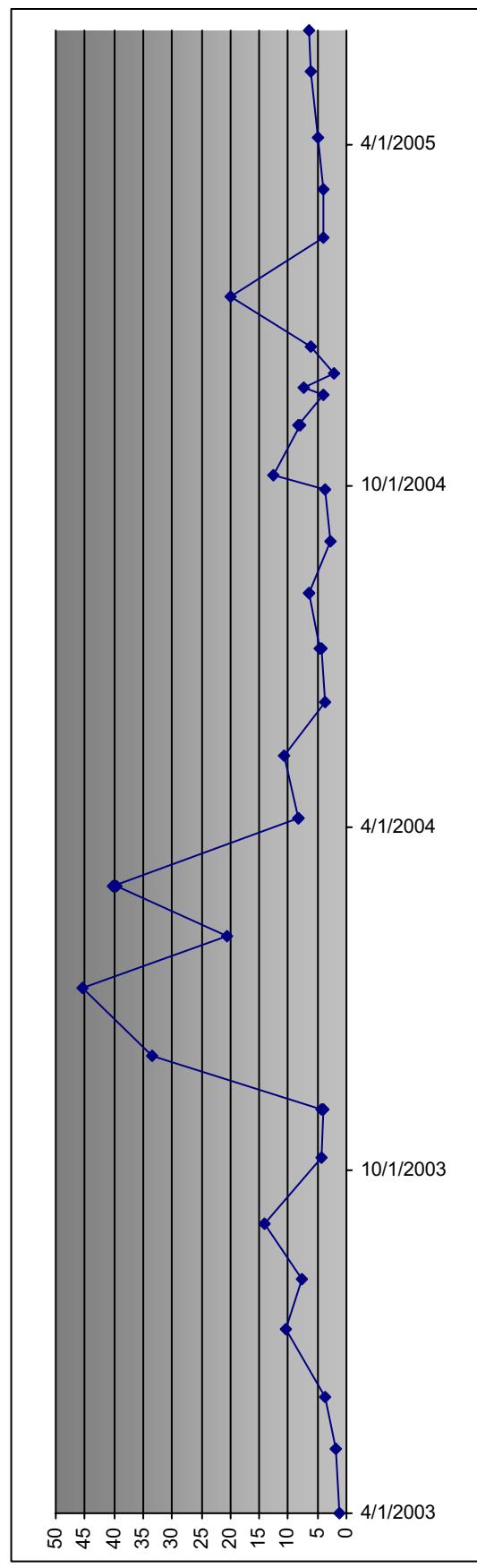


Figure F-78. Carbon Tetrachloride concentrations (ppmv) for Well Port DE4-3

Table F-79. Monitoring data for Well DE4-4 from January through June, 2005.

Well Port DE4-4	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266882 ft	Northing 669491 ft	Purge Time 12 sec	Depth 216 ft
1/10/2005	3:55 PM	1/11/2005	1:29 PM	1.32E+01	4.64E+00	5.41E+00
2/10/2005	8:51 AM	2/10/2005	4:46 PM	7.72E+00	2.30E+00	1.91E+00
3/8/2005	3:46 PM	3/9/2005	2:05 PM	8.36E+00	2.25E+00	1.15E+00
4/5/2005	8:38 AM	4/6/2005	10:48 AM	7.07E+00	2.54E+00	2.72E+00
5/10/2005	4:20 PM	5/12/2005	10:18 AM	7.13E+00	1.64E+00	1.03E+00
6/1/2005	1:05 PM	6/2/2005	10:11 AM	9.46E+00	3.83E+00	7.31E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	3:55 PM	1/11/2005	1:29 PM	1.32E+01	4.64E+00	5.41E+00	9.25E+00
2/10/2005	8:51 AM	2/10/2005	4:46 PM	7.72E+00	2.30E+00	1.91E+00	2.77E+01
3/8/2005	3:46 PM	3/9/2005	2:05 PM	8.36E+00	2.25E+00	1.15E+00	3.59E+00
4/5/2005	8:38 AM	4/6/2005	10:48 AM	7.07E+00	2.54E+00	2.72E+00	1.46E+01
5/10/2005	4:20 PM	5/12/2005	10:18 AM	7.13E+00	1.64E+00	1.03E+00	8.48E+03
6/1/2005	1:05 PM	6/2/2005	10:11 AM	9.46E+00	3.83E+00	7.31E+00	1.29E+04

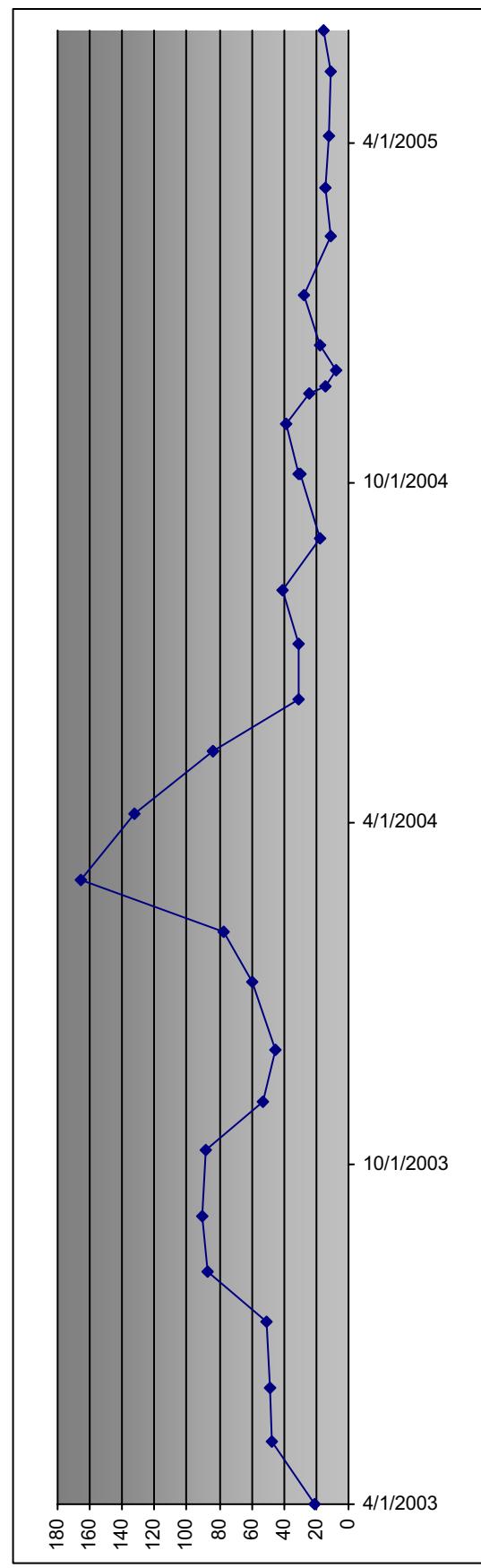


Figure F-79. Carbon Tetrachloride concentrations (ppmv) for Well Port DE4-4

Table F-80. Monitoring data for Well DE4-5 from January through June, 2005.

Well Port DE4-5	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266882 ft	Northing 669491 ft	Purge Time 10 sec	Depth 181 ft
1/10/2005	3:00 PM	1/11/2005	1:32 PM	1.98E+01	5.66E+00	1.21E+01
2/10/2005	8:52 AM	2/10/2005	4:49 PM	1.25E+01	3.36E+00	4.01E+00
3/8/2005	3:47 PM	3/9/2005	2:08 PM	1.32E+01	3.13E+00	6.02E+00
4/5/2005	8:39 AM	4/6/2005	10:51 AM	1.10E+01	3.18E+00	2.91E+00
5/10/2005	4:21 PM	5/12/2005	10:21 AM	1.44E+01	3.35E+00	4.67E+00
6/1/2005	1:06 PM	6/2/2005	10:14 AM	2.24E+01	6.20E+00	7.26E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	3:00 PM	1/11/2005	1:32 PM	1.98E+01	5.66E+00	1.21E+01	4.93E+01
2/10/2005	8:52 AM	2/10/2005	4:49 PM	1.25E+01	3.36E+00	4.01E+00	2.45E+01
3/8/2005	3:47 PM	3/9/2005	2:08 PM	1.32E+01	3.13E+00	6.02E+00	2.91E+01
4/5/2005	8:39 AM	4/6/2005	10:51 AM	1.10E+01	3.18E+00	4.67E+00	2.42E+01
5/10/2005	4:21 PM	5/12/2005	10:21 AM	1.44E+01	3.35E+00	7.26E+00	3.51E+01
6/1/2005	1:06 PM	6/2/2005	10:14 AM	2.24E+01	6.20E+00	1.99E+01	5.79E+01

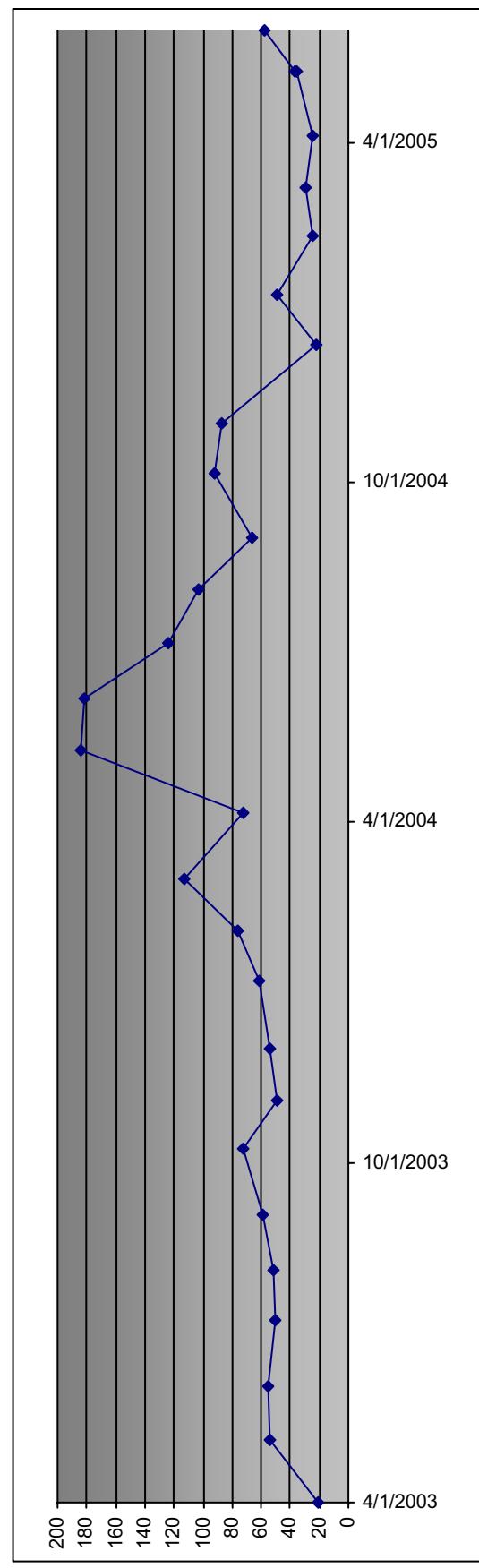


Figure F-80. Carbon Tetrachloride concentrations (ppmv) for Well Port DE4-5

Table F-81. Monitoring data for Well DE6-1 from January through June, 2005.

Well Port DE6-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266422 ft	Northing 669277 ft	Purge Time 26 sec	Depth 441 ft
1/10/2005	2:10 PM	1/11/2005	4:29 PM	4.37E+00	2.00E+00	8.06E-01
2/10/2005	10:21 AM	2/10/2005	5:01 PM	4.62E+00	2.08E+00	8.99E-01
3/8/2005	1:50 PM	3/9/2005	2:17 PM	5.02E+00	2.27E+00	1.24E+00
4/4/2005	10:57 AM	4/5/2005	11:32 AM	6.45E+00	3.06E+00	1.92E+00
5/10/2005	1:58 PM	5/12/2005	10:36 AM	3.53E+00	1.25E+00	9.85E-01
6/1/2005	4:27 PM	6/2/2005	2:41 PM	4.41E+00	1.01E+00	1.29E+00

Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 2:10 PM	1/11/2005 4:29 PM	4.37E+00	2.00E+00	8.06E-01	2.69E+00	3.97E+00	1.37E+03
2/10/2005 10:21 AM	2/10/2005 5:01 PM	4.62E+00	2.08E+00	8.99E-01	3.79E+00	1.06E+01	6.19E+03
3/8/2005 1:50 PM	3/9/2005 2:17 PM	5.02E+00	2.27E+00	1.24E+00	4.70E+00	1.52E+01	1.10E+04
4/4/2005 10:57 AM	4/5/2005 11:32 AM	6.45E+00	3.06E+00	1.92E+00	7.70E+00	2.54E+01	8.38E+03
5/10/2005 1:58 PM	5/12/2005 10:36 AM	3.53E+00	1.25E+00	9.85E-01	3.75E+00	1.19E+01	1.30E+04
6/1/2005 4:27 PM	6/2/2005 2:41 PM	4.41E+00	1.01E+00	1.29E+00	5.50E+00	1.06E+01	1.16E+04

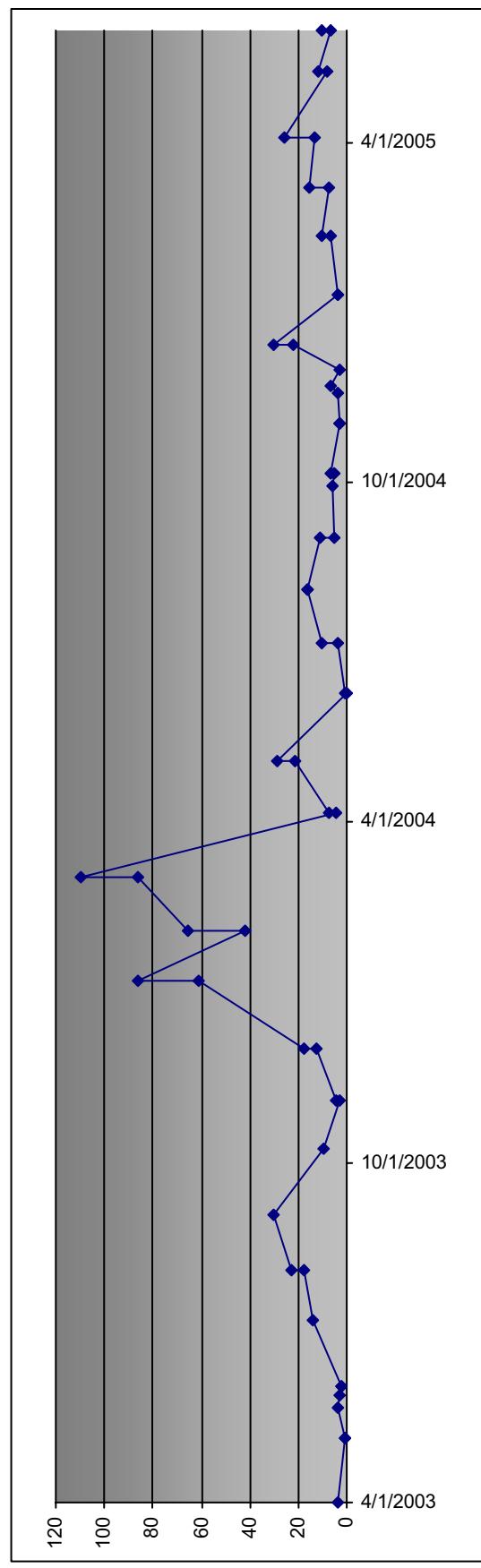


Figure F-81. Carbon Tetrachloride concentrations (ppmv) for Well Port DE6-1

Table F-82. Monitoring data for Well DE6-2 from January through June, 2005.

Well Port DE6-2	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266422 ft	Northing 669277 ft	Purge Time 23 sec	Depth 405 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 2:11 PM	1/11/2005 4:38 PM	4.18E+00	1.99E+00	7.72E-01	2.20E+00	2.65E+00	1.39E+03
2/10/2005 10:22 AM	2/10/2005 5:07 PM	3.32E+00	1.38E+00	6.92E-01	2.85E+00	5.42E+00	6.16E+03
3/8/2005 1:51 PM	3/9/2005 2:23 PM	2.44E+00	9.98E-01	9.25E-01	2.28E+00	3.60E+00	1.10E+04
4/4/2005 10:59 AM	4/5/2005 11:38 AM	3.63E+00	1.54E+00	1.28E+00	4.30E+00	1.00E+01	8.39E+03
5/10/2005 1:40 PM	5/12/2005 10:42 AM	2.77E+00	9.16E-01	6.92E-01	2.51E+00	6.28E+00	1.29E+04
6/1/2005 4:28 PM	6/2/2005 2:47 PM	3.07E+00	7.98E-01	8.64E-01	3.37E+00	6.04E+00	1.15E+04

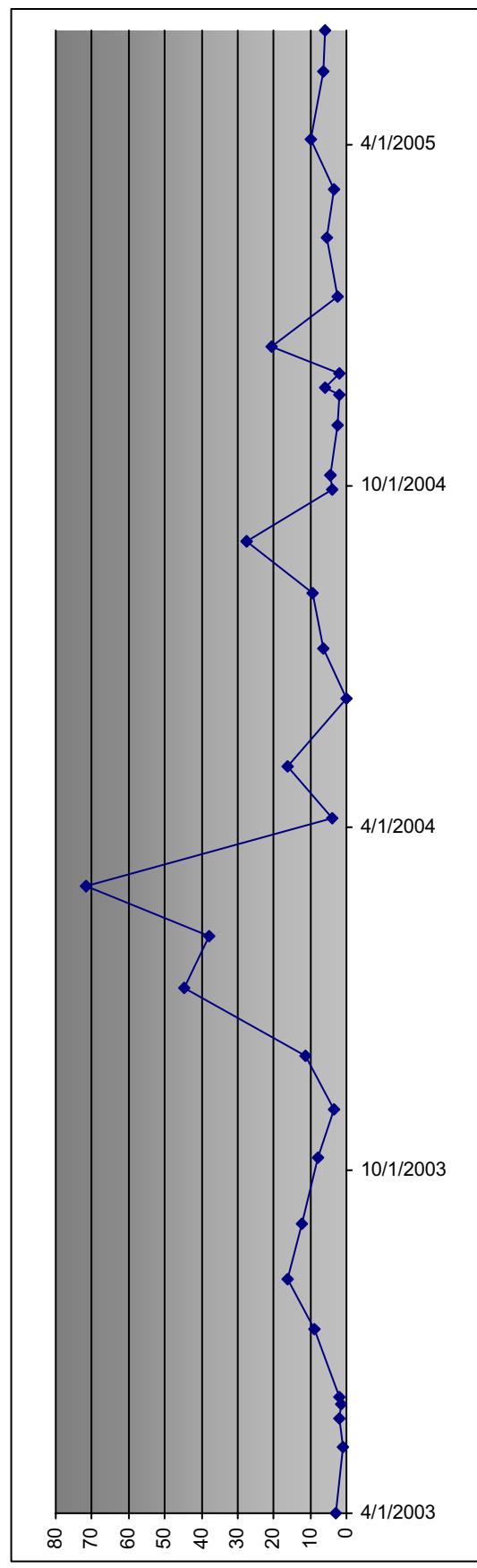


Figure F-82. Carbon Tetrachloride concentrations (ppmv) for Well Port DE6-2

Table F-83. Monitoring data for Well DE6-3 from January through June, 2005.

Well Port DE6-3	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266422 ft	Northing 669277 ft	Purge Time 21 sec	Depth 364 ft
1/10/2005	2:12 PM	1/11/2005	4:41 PM	5.08E+00	8.87E-01	2.03E+00
2/10/2005	10:23 AM	2/10/2005	5:10 PM	3.47E+00	1.23E+00	2.51E+00
3/8/2005	1:52 PM	3/9/2005	2:26 PM	3.26E+00	1.02E+00	2.25E+00
4/4/2005	11:00 AM	4/5/2005	11:41 AM	3.60E+00	1.30E+00	1.25E+00
5/10/2005	1:41 PM	5/12/2005	10:45 AM	2.95E+00	9.22E-01	7.68E-01
6/1/2005	4:29 PM	6/2/2005	2:50 PM	1.53E+01	1.31E+01	3.86E+01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	2:12 PM	1/11/2005	4:41 PM	5.08E+00	8.87E-01	2.03E+00	2.54E+00
2/10/2005	10:23 AM	2/10/2005	5:10 PM	3.47E+00	1.23E+00	2.51E+00	6.16E+03
3/8/2005	1:52 PM	3/9/2005	2:26 PM	3.26E+00	1.02E+00	2.25E+00	4.14E+00
4/4/2005	11:00 AM	4/5/2005	11:41 AM	3.60E+00	1.30E+00	3.60E+00	8.42E+03
5/10/2005	1:41 PM	5/12/2005	10:45 AM	2.95E+00	9.22E-01	2.09E+00	5.63E+00
6/1/2005	4:29 PM	6/2/2005	2:50 PM	1.53E+01	1.31E+01	2.65E+01	1.14E+04

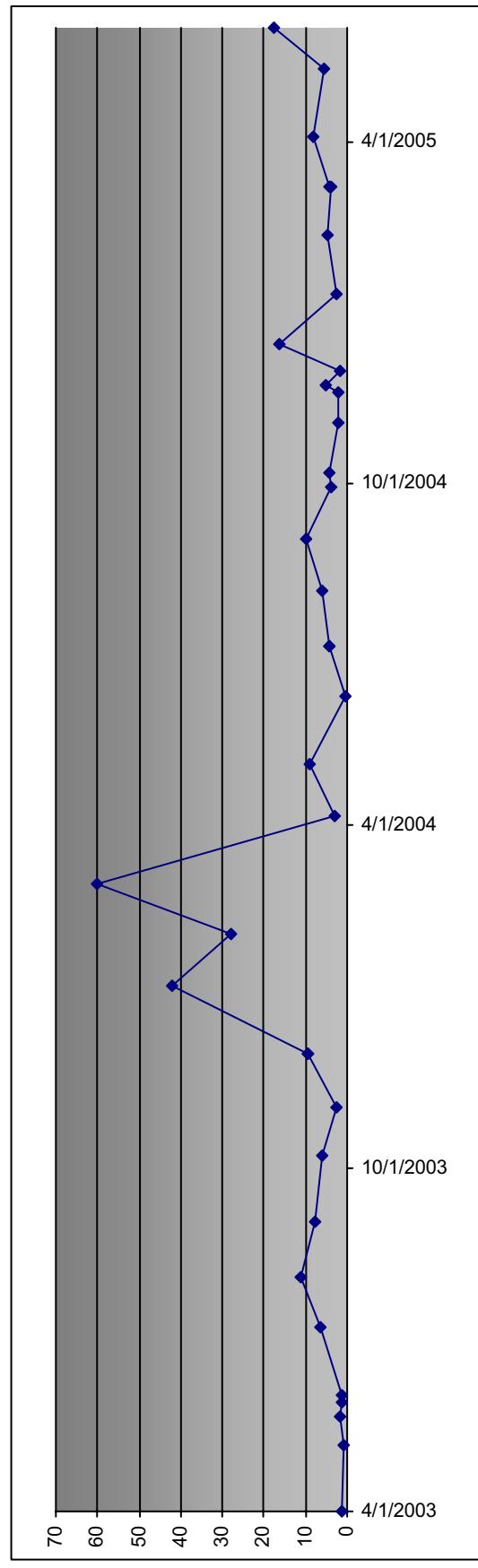


Figure F-83. Carbon Tetrachloride concentrations (ppmv) for Well Port DE6-3

Table F-84. Monitoring data for Well DE6-4 from January through June, 2005.

Well Port DE6-4	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266422 ft	Northing 669277 ft	Purge Time 13 sec	Depth 218 ft
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Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 2:13 PM	1/11/2005 4:44 PM	5.73E+00	2.36E+00	9.06E-01	2.61E+00	5.32E+00	1.37E+03
2/10/2005 10:24 AM	2/10/2005 5:13 PM	4.29E+00	1.83E+00	8.86E-01	2.86E+00	7.05E+00	6.21E+03
3/8/2005 1:53 PM	3/9/2005 2:32 PM	4.67E+00	1.84E+00	1.07E+00	3.12E+00	8.51E+00	1.10E+04
4/4/2005 11:01 AM	4/5/2005 11:44 AM	5.20E+00	2.06E+00	1.38E+00	4.51E+00	1.16E+01	8.43E+03
5/10/2005 1:43 PM	5/12/2005 10:48 AM	4.15E+00	1.42E+00	8.70E-01	2.83E+00	8.36E+00	1.29E+04

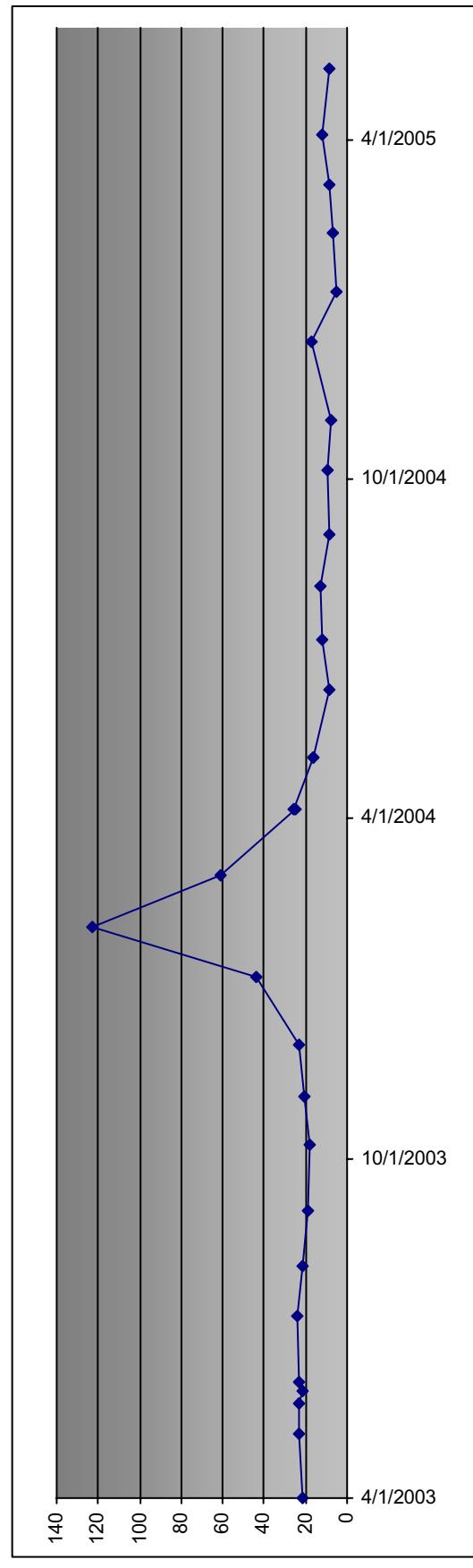


Figure F-84. Carbon Tetrachloride concentrations (ppmv) for Well Port DE6-4

Table F-85. Monitoring data for Well DE6-5 from January through June, 2005.

Well Port DE6-5	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266422 ft	Northing 669277 ft	Purge Time 8 sec	Depth 133 ft
1/10/2005	2:14 PM	1/11/2005	4:47 PM	5.59E+00	2.26E+00	8.45E-01
2/10/2005	10:25 AM	2/10/2005	5:16 PM	3.96E+00	1.54E+00	7.74E-01
3/8/2005	1:54 PM	3/9/2005	2:35 PM	3.78E+00	1.38E+00	8.75E-01
4/4/2005	11:02 AM	4/5/2005	11:47 AM	4.49E+00	1.72E+00	1.31E+00
5/10/2005	1:45 PM	5/12/2005	10:51 AM	3.89E+00	1.35E+00	8.03E-01
6/1/2005	4:30 PM	6/2/2005	2:53 PM	7.51E+00	5.08E+00	1.44E+01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 2:14 PM	1/11/2005 4:47 PM	5.59E+00	2.26E+00	8.45E-01	2.64E+00	5.45E+00	1.36E+03
2/10/2005 10:25 AM	2/10/2005 5:16 PM	3.96E+00	1.54E+00	7.74E-01	2.96E+00	6.50E+00	6.21E+03
3/8/2005 1:54 PM	3/9/2005 2:35 PM	3.78E+00	1.38E+00	8.75E-01	2.92E+00	6.63E+00	1.10E+04
4/4/2005 11:02 AM	4/5/2005 11:47 AM	4.49E+00	1.72E+00	1.31E+00	4.19E+00	9.52E+00	8.43E+03
5/10/2005 1:45 PM	5/12/2005 10:51 AM	3.89E+00	1.35E+00	8.03E-01	2.95E+00	8.09E+00	1.29E+04
6/1/2005 4:30 PM	6/2/2005 2:53 PM	7.51E+00	5.08E+00	1.44E+01	1.10E+01	1.14E+01	1.14E+04

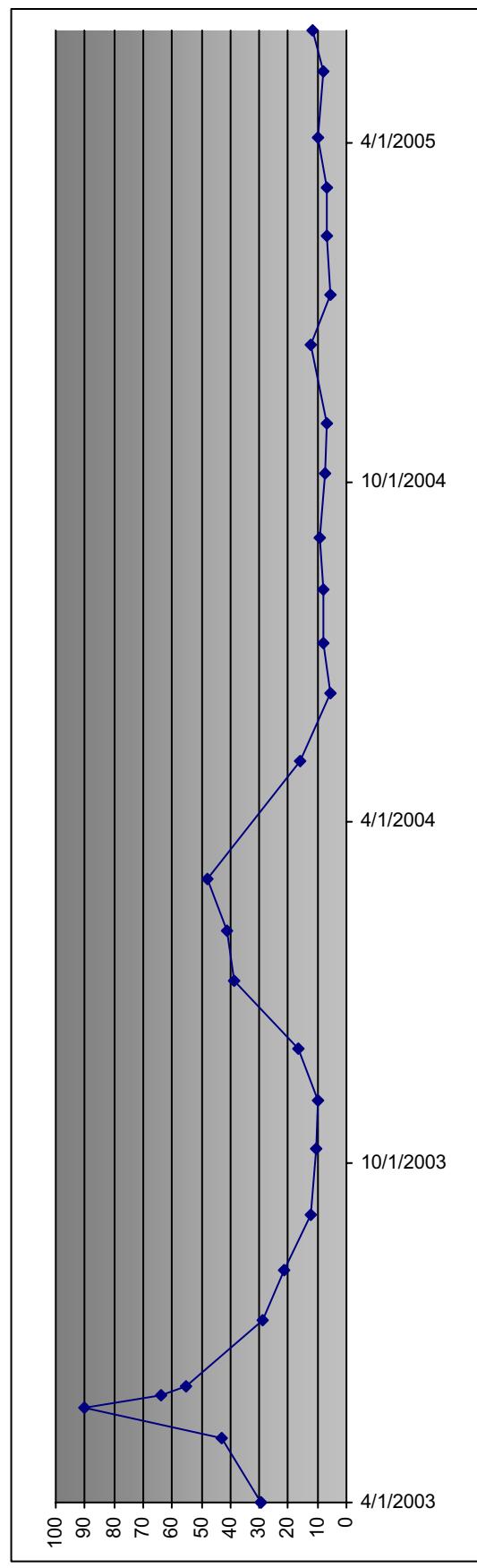


Figure F-85. Carbon Tetrachloride concentrations (ppmv) for Well Port DE6-5

Table F-86. Monitoring data for Well DE7-1 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
DE7-1	☒	M	267021 ft	669234 ft	26 sec	454 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 10:30 AM	1/12/2005 11:50 AM	9.50E+00	5.88E+00	1.55E+01	1.01E+01	2.31E+01	1.13E+03
2/10/2005 1:36 PM	2/10/2005 5:22 PM	7.18E+00	2.22E+00	9.36E-01	3.88E+00	1.47E+01	6.54E+03
3/8/2005 3:33 PM	3/9/2005 2:44 PM	1.00E+01	2.27E+00	1.33E+00	5.38E+00	1.97E+01	1.10E+04
4/14/2005 12:50 PM	4/14/2005 1:24 PM	1.66E+00	7.86E-01	1.01E+00	6.93E-01	3.06E-01	6.04E+03
5/10/2005 3:09 PM	5/12/2005 11:00 AM	2.97E+00	7.24E-01	7.07E-01	2.07E+00	4.53E+00	1.29E+04
6/1/2005 1:22 PM	6/2/2005 3:14 PM	2.88E+00	1.13E+00	3.12E+00	2.92E+00	3.90E+00	1.28E+04

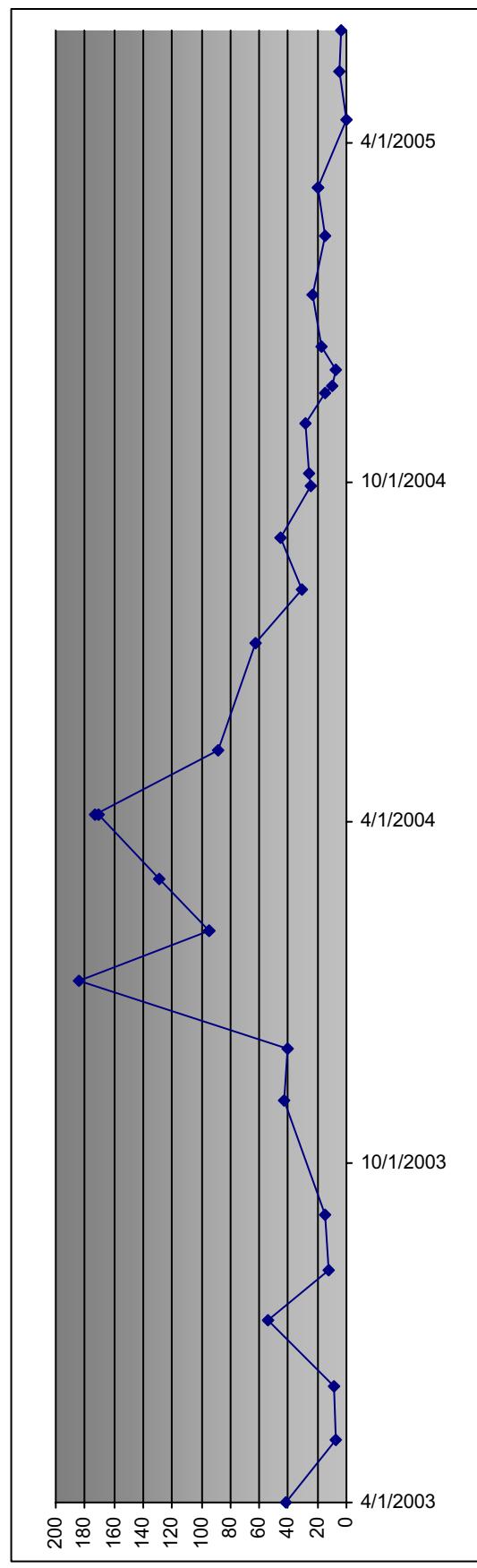


Figure F-86. Carbon Tetrachloride concentrations (ppmv) for Well Port DE7-1

Table F-87. Monitoring data for Well DE7-2 from January through June, 2005.

Well Port DE7-2	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267021 ft	Northing 669234 ft	Purge Time 25 sec	Depth 432 ft
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Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 10:31 AM	1/12/2005 11:53 AM	7.57E+00	4.97E+00	1.30E+01	8.66E+00	1.74E+01	9.56E+02
2/10/2005 1:37 PM	2/10/2005 5:25 PM	4.59E+00	1.86E+00	1.00E+00	3.68E+00	9.83E+00	6.76E+03
3/8/2005 3:34 PM	3/9/2005 2:50 PM	6.05E+00	1.62E+00	1.22E+00	4.32E+00	1.23E+01	1.10E+04
4/14/2005 12:51 PM	4/14/2005 1:27 PM	1.69E+00	7.95E-01	1.00E+00	5.59E-01	2.19E-01	5.88E+03
5/10/2005 3:11 PM	5/12/2005 11:03 AM	2.55E+00	7.08E-01	7.79E-01	1.81E+00	3.72E+00	1.29E+04
6/1/2005 1:23 PM	6/2/2005 3:17 PM	2.93E+00	1.11E+00	2.82E+00	2.81E+00	4.41E+00	1.40E+04

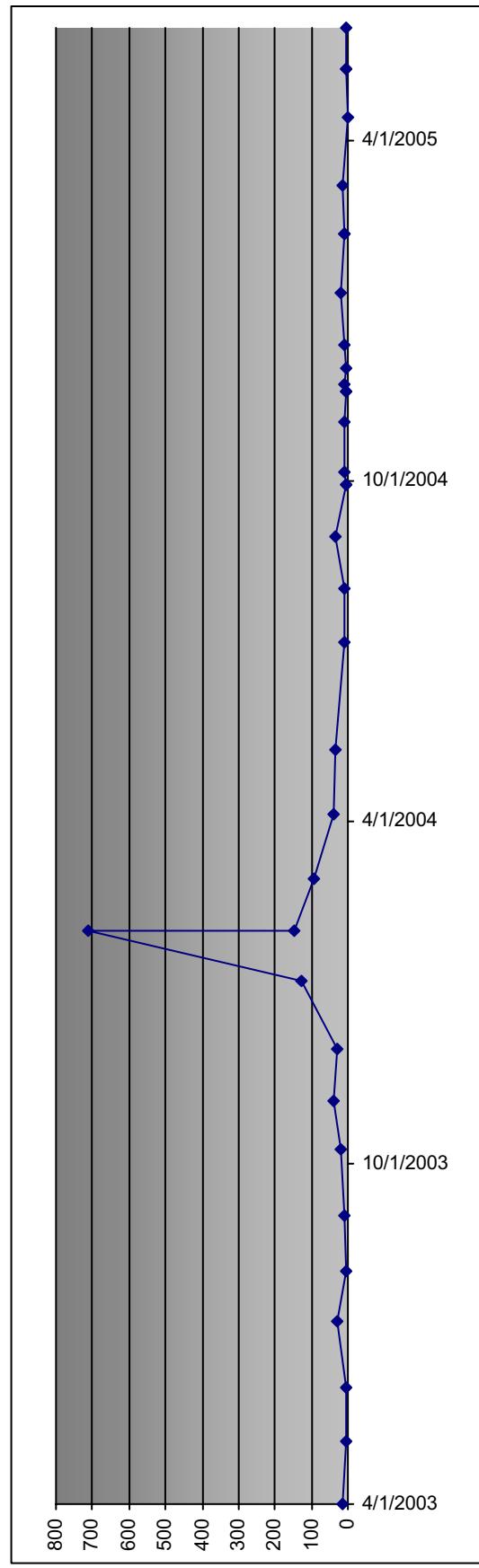


Figure F-87. Carbon Tetrachloride concentrations (ppmv) for Well Port DE7-2

Table F-88. Monitoring data for Well DE7-3 from January through June, 2005.

Well Port DE7-3	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267021 ft	Northing 669234 ft	Purge Time 23 sec	Depth 406 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 10:32 AM	1/12/2005 11:56 AM	6.69E+00	4.18E+00	1.07E+01	7.01E+00	1.28E+01	9.37E+02
2/10/2005 1:38 PM	2/10/2005 5:33 PM	3.19E+00	1.52E+00	8.72E-01	2.88E+00	6.13E+00	6.74E+03
3/8/2005 3:35 PM	3/9/2005 2:53 PM	4.21E+00	1.30E+00	1.19E+00	3.43E+00	7.36E+00	1.10E+04
4/14/2005 12:52 PM	4/14/2005 1:30 PM	1.67E+00	7.85E-01	8.44E-01	6.10E-01	1.73E-01	6.07E+03
5/10/2005 3:13 PM	5/12/2005 11:09 AM	2.39E+00	6.00E-01	7.28E-01	1.65E+00	3.10E+00	1.29E+04
6/1/2005 1:24 PM	6/2/2005 3:20 PM	2.44E+00	8.75E-01	2.46E+00	2.31E+00	3.32E+00	1.45E+04

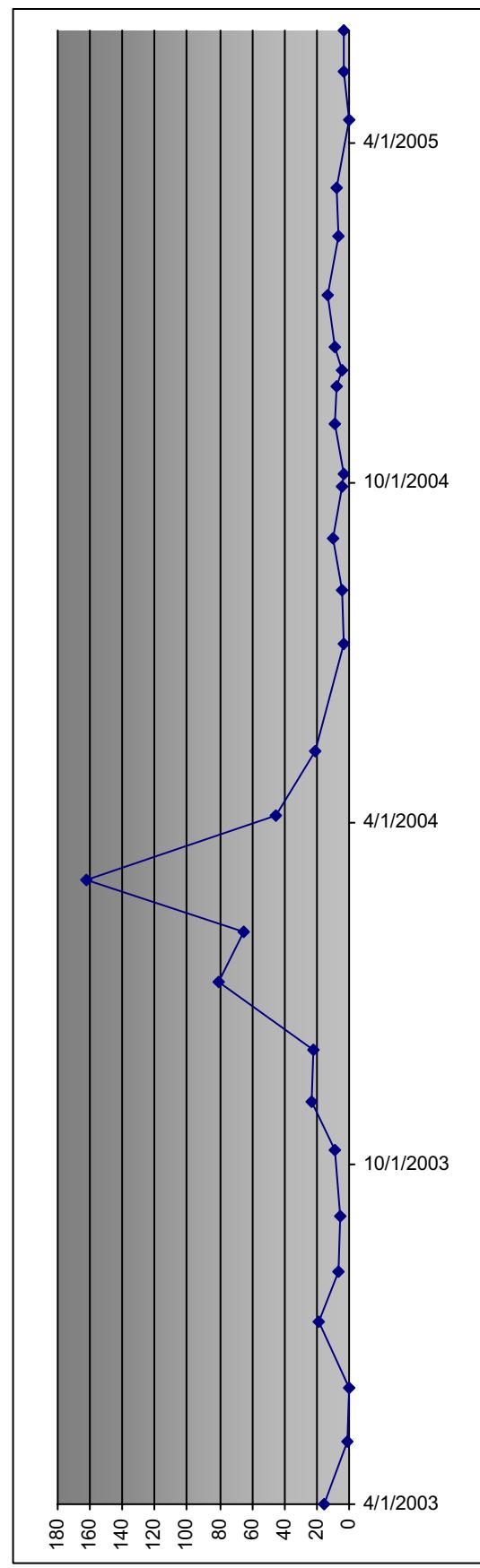


Figure F-88. Carbon Tetrachloride concentrations (ppmv) for Well Port DE7-3

Table F-89. Monitoring data for Well DE7-4 from January through June, 2005.

Well Port DE7-4	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267021 ft	Northing 669234 ft	Purge Time 13 sec	Depth 220 ft
1/10/2005	10:33 AM	1/12/2005	11:59 AM	6.66E+00	9.77E+00	6.61E+00
2/10/2005	1:39 PM	2/10/2005	5:35 PM	5.86E+00	1.88E+00	9.29E-01
3/8/2005	3:36 PM	3/9/2005	2:56 PM	6.89E+00	1.97E+00	1.51E+00
4/14/2005	12:53 PM	4/14/2005	1:33 PM	1.72E+00	7.58E-01	8.18E-01
5/10/2005	3:16 PM	5/12/2005	11:12 AM	2.52E+00	6.06E-01	9.42E-01
6/1/2005	1:25 PM	6/2/2005	3:23 PM	3.57E+00	1.07E+00	2.47E+00

Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 10:33 AM	1/12/2005 11:59 AM	6.66E+00	3.96E+00	9.77E+00	6.61E+00	1.18E+01	9.41E+02
2/10/2005 1:39 PM	2/10/2005 5:35 PM	5.86E+00	1.88E+00	9.29E-01	3.99E+00	1.22E+01	6.61E+03
3/8/2005 3:36 PM	3/9/2005 2:56 PM	6.89E+00	1.97E+00	1.51E+00	4.62E+00	1.46E+01	1.10E+04
4/14/2005 12:53 PM	4/14/2005 1:33 PM	1.72E+00	7.58E-01	8.18E-01	6.20E-01	1.94E-01	6.03E+03
5/10/2005 3:16 PM	5/12/2005 11:12 AM	2.52E+00	6.06E-01	9.42E-01	1.65E+00	2.98E+00	1.29E+04
6/1/2005 1:25 PM	6/2/2005 3:23 PM	3.57E+00	1.07E+00	2.47E+00	3.19E+00	5.30E+00	1.49E+04

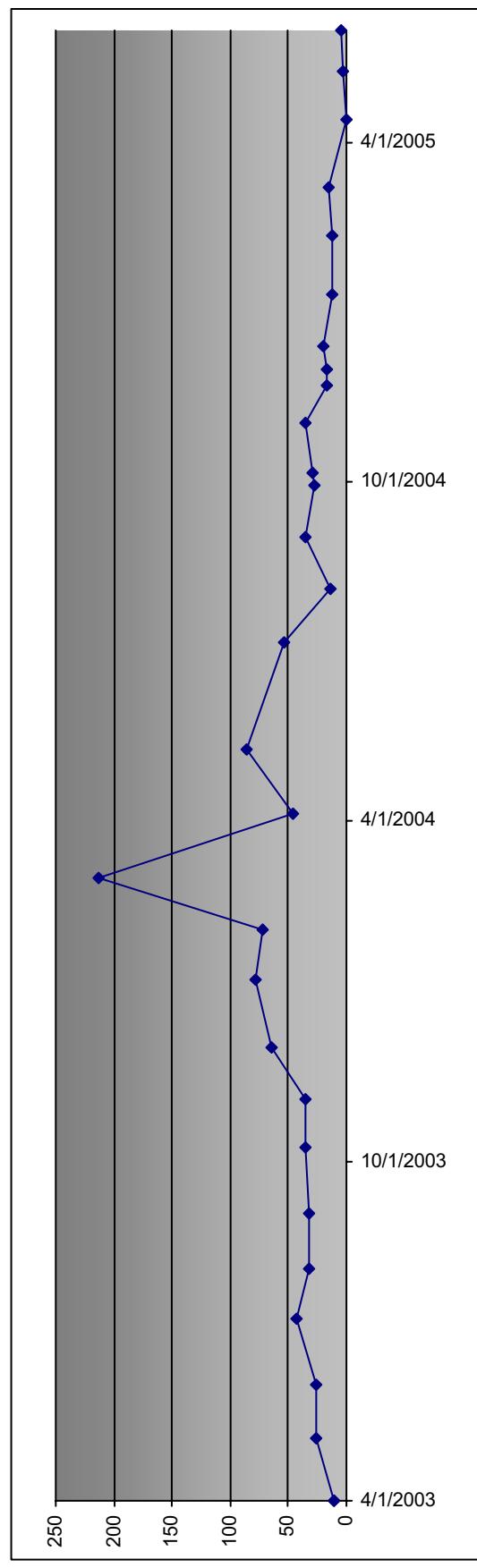


Figure F-89. Carbon Tetrachloride concentrations (ppmv) for Well Port DE7-4

Table F-90. Monitoring data for Well DE7-5 from January through June, 2005.

Well Port DE7-5	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267021 ft	Northing 669234 ft	Purge Time 10 sec	Depth 165 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 10:34 AM	1/12/2005 12:02 PM	6.01E+00	3.54E+00	8.23E+00	5.64E+00	9.65E+00	9.43E+02
2/10/2005 1:40 PM	2/10/2005 5:37 PM	5.26E+00	1.58E+00	8.40E-01	4.02E+00	1.01E+01	6.62E+03
3/8/2005 3:37 PM	3/9/2005 2:59 PM	5.88E+00	1.61E+00	1.18E+00	4.43E+00	1.18E+01	1.10E+04
4/14/2005 12:54 PM	4/14/2005 1:36 PM	1.59E+00	6.95E-01	6.94E-01	6.97E-01	8.77E-02	6.59E+03
5/10/2005 3:19 PM	5/12/2005 11:15 AM	2.53E+00	6.37E-01	7.30E-01	1.58E+00	2.93E+00	1.29E+04
6/1/2005 1:26 PM	6/2/2005 3:26 PM	2.90E+00	8.97E-01	2.00E+00	2.52E+00	4.32E+00	1.47E+04

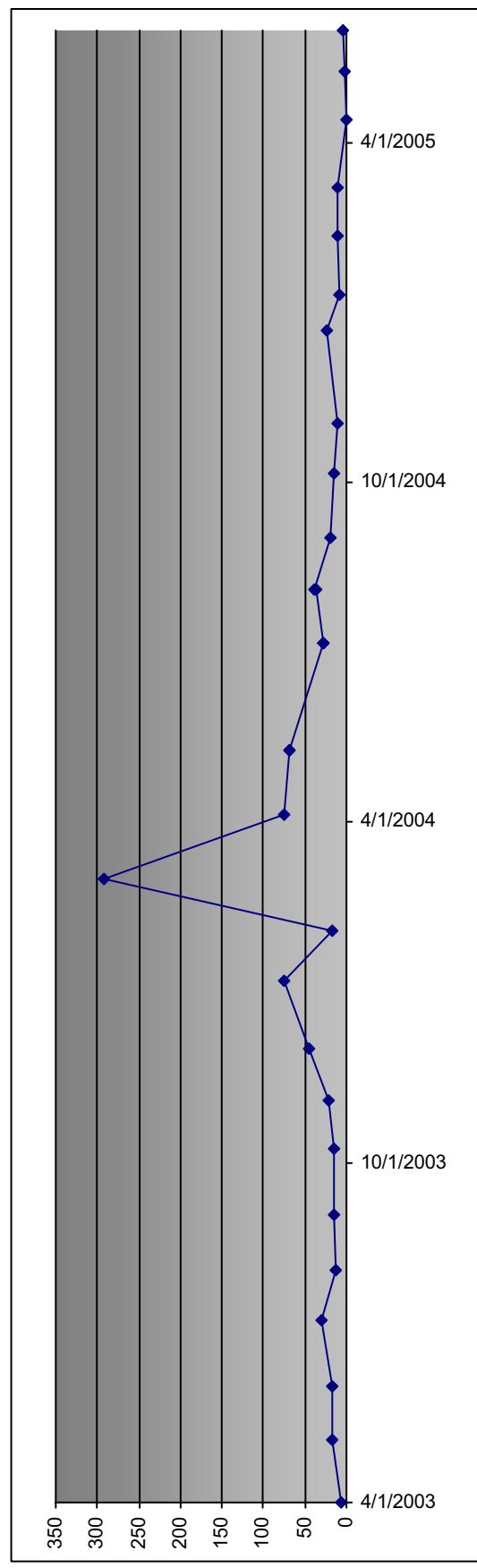


Figure F-90. Carbon Tetrachloride concentrations (ppmv) for Well Port DE7-5

Table F-91. Monitoring data for Well DE8-1 from January through June, 2005.

Well Port DE8-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267562 ft	Northing 669460 ft	Purge Time 26 sec	Depth 443 ft
1/10/2005	9:32 AM	1/12/2005	1:44 PM	4.28E+00	7.77E-01	1.34E+00
2/9/2005	1:30 PM	2/10/2005	12:59 PM	2.75E+00	1.05E+00	1.82E+00
3/8/2005	9:22 AM	3/10/2005	8:55 AM	3.74E+00	2.51E+00	6.06E+00
4/4/2005	9:17 AM	4/5/2005	11:59 AM	4.22E+00	1.97E+00	1.01E+00
5/10/2005	10:43 AM	5/12/2005	11:24 AM	3.38E+00	1.24E+00	6.69E-01
6/1/2005	11:00 AM	6/2/2005	12:17 PM	3.20E+00	1.18E+00	9.55E-01

Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	9:32 AM	1/12/2005	1:44 PM	4.28E+00	7.77E-01	1.34E+00	9.08E+02
2/9/2005	1:30 PM	2/10/2005	12:59 PM	2.75E+00	1.05E+00	1.82E+00	3.90E+00
3/8/2005	9:22 AM	3/10/2005	8:55 AM	3.74E+00	2.51E+00	4.56E+00	6.12E+03
4/4/2005	9:17 AM	4/5/2005	11:59 AM	4.22E+00	1.97E+00	3.27E+00	9.52E+03
5/10/2005	10:43 AM	5/12/2005	11:24 AM	3.38E+00	1.24E+00	6.69E-01	8.39E+03
6/1/2005	11:00 AM	6/2/2005	12:17 PM	3.20E+00	1.18E+00	9.55E-01	1.30E+04

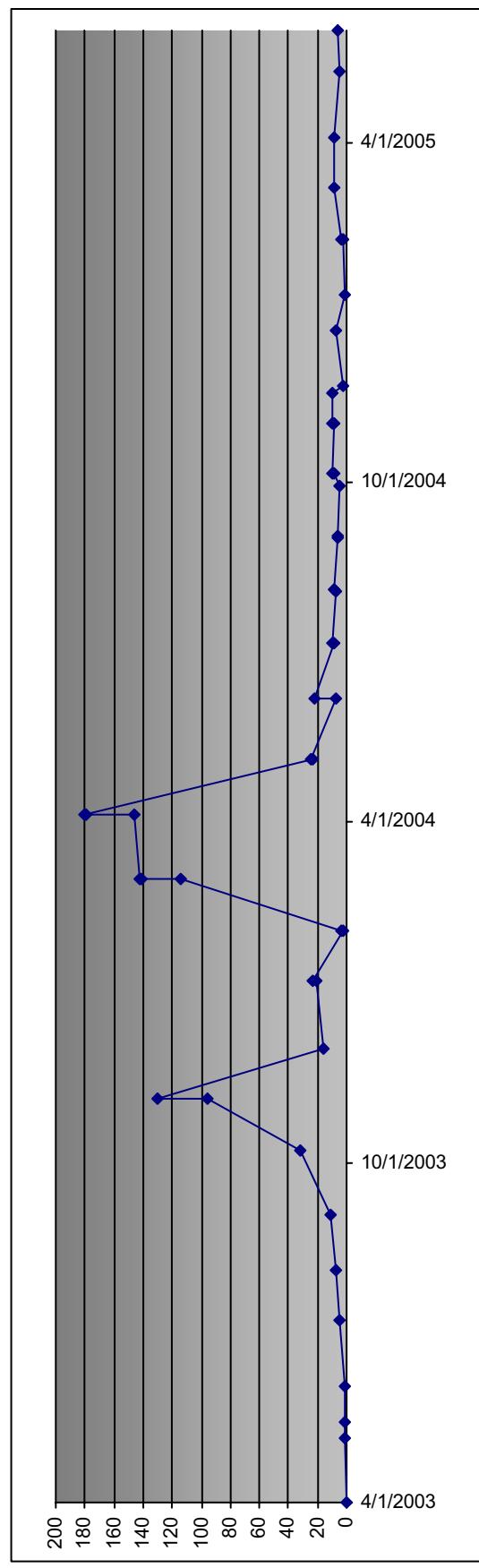


Figure F-91. Carbon Tetrachloride concentrations (ppmv) for Well Port DE8-1

Table F-92. Monitoring data for Well DE8-2 from January through June, 2005.

Well Port DE8-2	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267562 ft	Northing 669460 ft	Purge Time 22 sec	Depth 376 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 9:33 AM	1/12/2005 1:47 PM	4.28E+00	8.51E-01	1.27E+00	1.94E+00	9.06E+02	
2/9/2005 1:31 PM	2/10/2005 1:05 PM	2.69E+00	1.43E+00	1.24E+00	1.50E+00	3.53E+00	5.21E+03
3/8/2005 9:23 AM	3/10/2005 8:58 AM	3.26E+00	1.98E+00	5.07E+00	3.67E+00	7.41E+00	9.53E+03
4/4/2005 9:18 AM	4/5/2005 12:02 PM	3.43E+00	1.63E+00	8.80E-01	2.63E+00	7.26E+00	8.38E+03
5/10/2005 10:44 AM	5/12/2005 11:27 AM	2.82E+00	1.15E+00	5.35E-01	1.54E+00	4.80E+00	1.30E+04
6/1/2005 11:01 AM	6/2/2005 12:20 PM	2.31E+00	1.01E+00	7.59E-01	1.56E+00	5.36E+00	1.62E+04

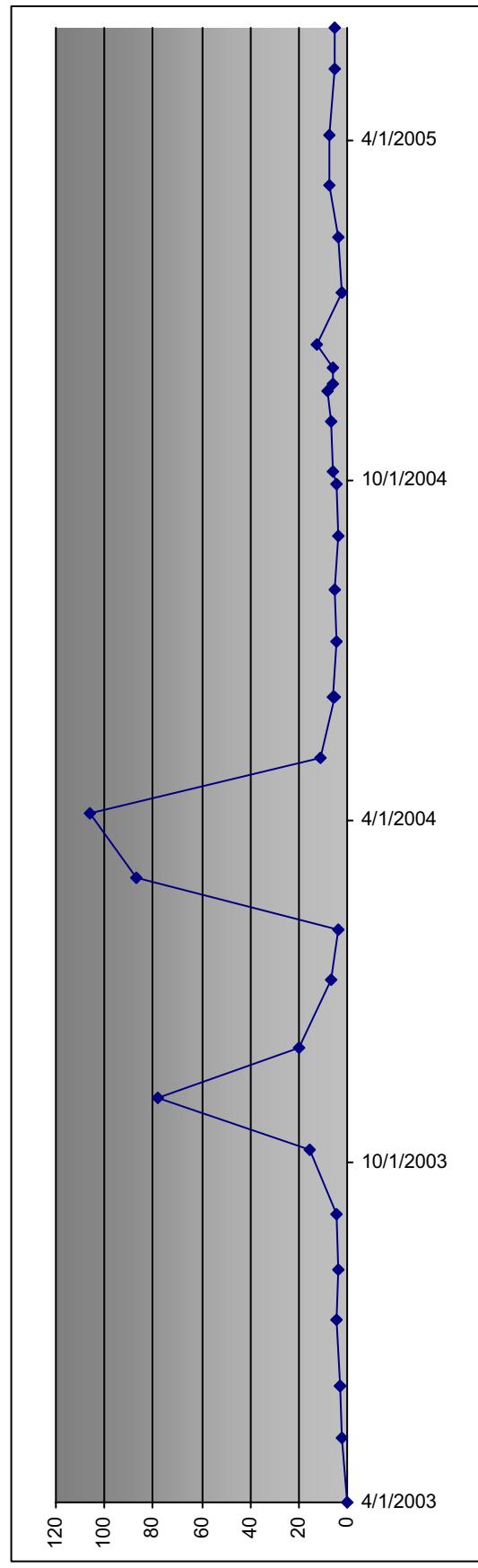


Figure F-92. Carbon Tetrachloride concentrations (ppmv) for Well Port DE8-2

Table F-93. Monitoring data for Well DE8-3 from January through June, 2005.

Well Port DE8-3	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267562 ft	Northing 669460 ft	Purge Time 20 sec	Depth 351 ft
1/10/2005	9:34 AM	1/12/2005	1:56 PM	4.11E+00	6.93E-01	9.11E+02
2/9/2005	1:32 PM	2/10/2005	1:08 PM	2.91E+00	1.51E+00	5.10E+03
3/8/2005	9:24 AM	3/10/2005	9:01 AM	3.76E+00	2.33E+00	9.55E+03
4/4/2005	9:19 AM	4/5/2005	12:05 PM	3.75E+00	1.70E+00	8.42E+03
5/10/2005	10:46 AM	5/12/2005	11:30 AM	2.94E+00	1.30E+00	1.30E+04
6/1/2005	11:02 AM	6/2/2005	12:23 PM	2.67E+00	1.15E+00	1.62E+04

Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	9:34 AM	1/12/2005	1:56 PM	4.11E+00	6.93E-01	1.39E+00	2.33E+00
2/9/2005	1:32 PM	2/10/2005	1:08 PM	2.91E+00	1.51E+00	1.55E+00	4.36E+00
3/8/2005	9:24 AM	3/10/2005	9:01 AM	3.76E+00	2.33E+00	4.57E+00	8.71E+00
4/4/2005	9:19 AM	4/5/2005	12:05 PM	3.75E+00	1.70E+00	9.01E-01	2.50E+00
5/10/2005	10:46 AM	5/12/2005	11:30 AM	2.94E+00	1.30E+00	6.87E-01	1.62E+00
6/1/2005	11:02 AM	6/2/2005	12:23 PM	2.67E+00	1.15E+00	7.96E-01	1.79E+00

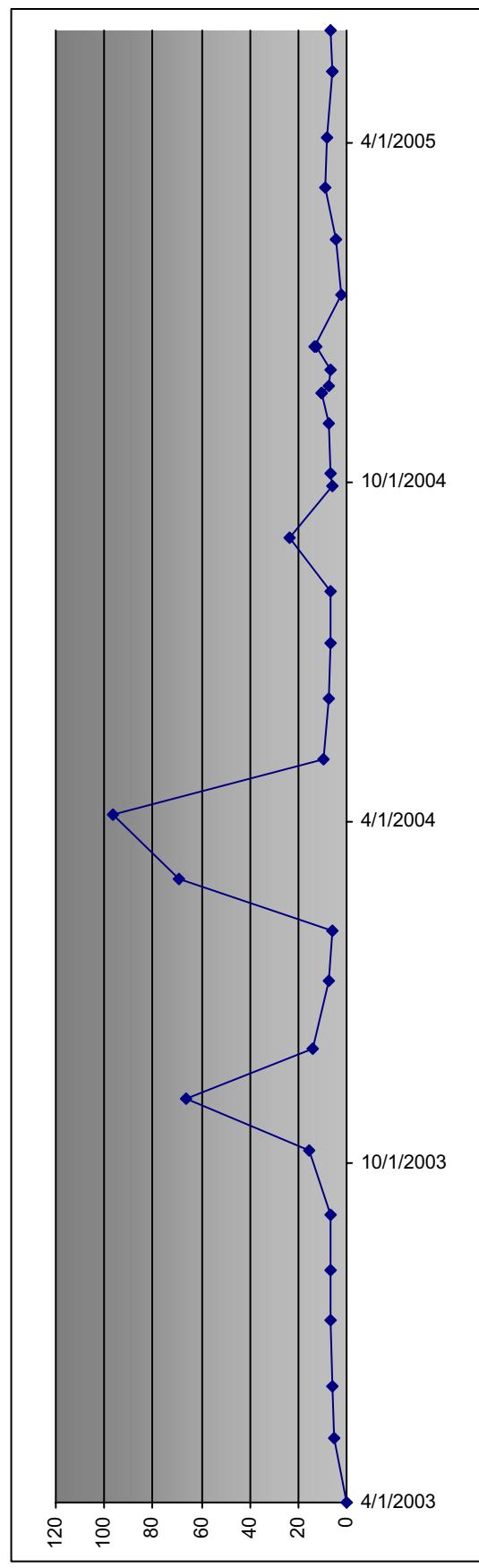


Figure F-93. Carbon Tetrachloride concentrations (ppmv) for Well Port DE8-3

Table F-94. Monitoring data for Well DE8-4 from January through June, 2005.

Well Port DE8-4	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267562 ft	Northing 669460 ft	Purge Time 13 sec	Depth 216 ft
1/10/2005	9:33 AM	1/12/2005	1:59 PM	5.09E+00	8.45E-01	1.44E+00
2/9/2005	1:33 PM	2/10/2005	1:11 PM	6.83E+00	2.52E+00	3.14E+00
3/8/2005	9:25 AM	3/10/2005	9:04 AM	7.20E+00	3.00E+00	4.18E+00
4/4/2005	9:20 AM	4/5/2005	12:08 PM	7.98E+00	2.52E+00	5.25E+00
6/1/2005	11:03 AM	6/2/2005	12:26 PM	1.02E+01	3.34E+00	6.09E+00

Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	9:33 AM	1/12/2005	1:59 PM	5.09E+00	8.45E-01	1.44E+00	3.59E+00
2/9/2005	1:33 PM	2/10/2005	1:11 PM	6.83E+00	2.52E+00	3.14E+00	1.31E+01
3/8/2005	9:25 AM	3/10/2005	9:04 AM	7.20E+00	3.00E+00	4.18E+00	5.09E+03
4/4/2005	9:20 AM	4/5/2005	12:08 PM	7.98E+00	2.52E+00	5.25E+00	9.58E+03
6/1/2005	11:03 AM	6/2/2005	12:26 PM	1.02E+01	3.34E+00	6.09E+00	8.37E+03

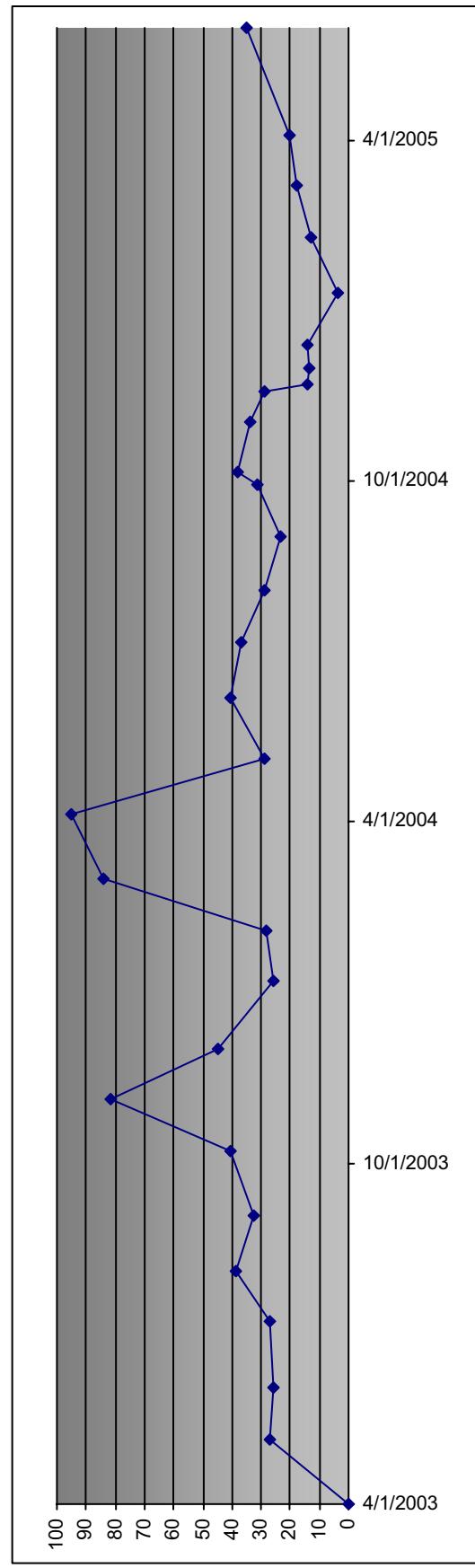


Figure F-94. Carbon Tetrachloride concentrations (ppmv) for Well Port DE8-4

Table F-95. Monitoring data for Well DE8-5 from January through June, 2005.

Well Port DE8-5	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267562 ft	Northing 669460 ft	Purge Time 11 sec	Depth 183 ft
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Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 9:34 AM	1/12/2005 2:02 PM	5.22E+00	1.85E+00	8.78E-01	1.67E+00	3.33E+00	8.99E+02
2/9/2005 1:34 PM	2/10/2005 1:14 PM	7.14E+00	2.16E+00	1.37E+00	3.62E+00	1.08E+01	5.04E+03
3/8/2005 9:26 AM	3/10/2005 9:07 AM	8.13E+00	2.70E+00	4.02E+00	5.74E+00	1.47E+01	9.62E+03
4/4/2005 9:21 AM	4/5/2005 12:11 PM	8.75E+00	2.15E+00	1.13E+00	5.80E+00	1.40E+01	8.36E+03
5/10/2005 10:49 AM	5/12/2005 11:36 AM	5.65E+00	1.39E+00	7.37E-01	2.05E+00	7.92E+00	1.31E+04
6/1/2005 11:03 AM	6/2/2005 12:29 PM	8.45E+00	1.82E+00	1.11E+00	6.09E+00	1.36E+01	1.54E+04

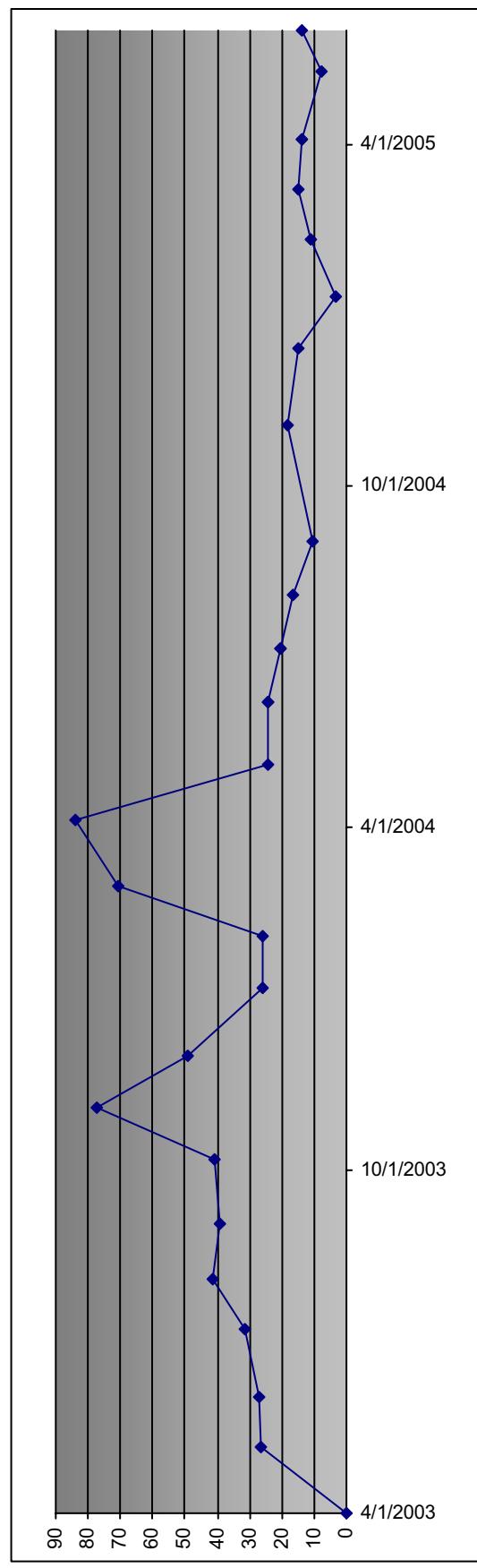


Figure F-95. Carbon Tetrachloride concentrations (ppmv) for Well Port DE8-5

Table F-96. Monitoring data for Well IE3-1 from January through June, 2005.

Well Port IE3-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267352 ft	Northing 669789 ft	Purge Time 6 sec	Depth 97 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 2:58 PM	1/11/2005 1:50 PM	1.44E+01	5.66E+00	5.13E+00	8.78E+00	2.92E+01	1.51E+03
2/9/2005 12:53 PM	2/10/2005 12:41 PM	7.59E+00	2.59E+00	3.03E+00	3.15E+00	1.08E+01	5.37E+03
3/8/2005 9:58 AM	3/9/2005 1:23 PM	6.44E+00	1.80E+00	1.36E+00	3.93E+00	1.25E+01	1.08E+04
4/4/2005 9:57 AM	4/5/2005 11:03 AM	3.22E+00	1.15E+00	1.12E+00	3.27E+00	6.53E+00	8.65E+03
5/10/2005 11:34 AM	5/12/2005 9:42 AM	1.45E+01	4.14E+00	3.57E+00	6.51E+00	2.68E+01	1.33E+04
6/1/2005 11:21 AM	6/2/2005 12:35 PM	1.63E+01	4.26E+00	3.38E+00	6.55E+00	2.63E+01	1.35E+04

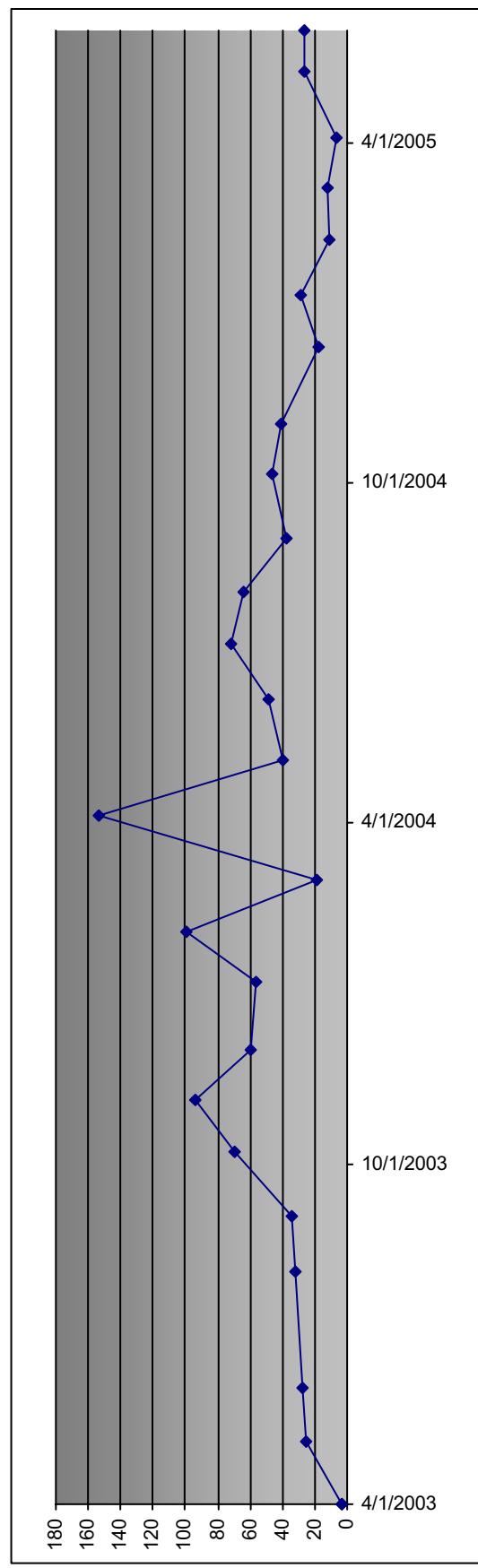


Figure F-96. Carbon Tetrachloride concentrations (ppmv) for Well Port IE3-1

Table F-97. Monitoring data for Well IE3-2 from January through June, 2005.

Well Port IE3-2	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267352 ft	Northing 669789 ft	Purge Time 2 sec	Depth 27 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 2:59 PM	1/11/2005 1:53 PM	9.28E+00	4.39E+00	3.55E+00	7.20E+00	2.14E+01	1.47E+03
2/9/2005 12:54 PM	2/10/2005 12:44 PM	5.14E+00	2.41E+00	1.99E+00	2.64E+00	1.02E+01	5.04E+03
3/8/2005 9:59 AM	3/9/2005 1:26 PM	4.86E+00	1.77E+00	8.52E-01	3.36E+00	9.29E+00	1.08E+04
4/4/2005 9:58 AM	4/5/2005 11:05 AM	7.95E+00	3.24E+00	1.71E+00	6.46E+00	1.93E+01	8.51E+03
5/10/2005 11:35 AM	5/12/2005 9:45 AM	7.26E+00	2.83E+00	1.47E+00	4.58E+00	1.65E+01	1.31E+04
6/1/2005 11:22 AM	6/2/2005 12:38 PM	6.19E+00	2.80E+00	1.38E+00	4.44E+00	1.43E+01	1.41E+04

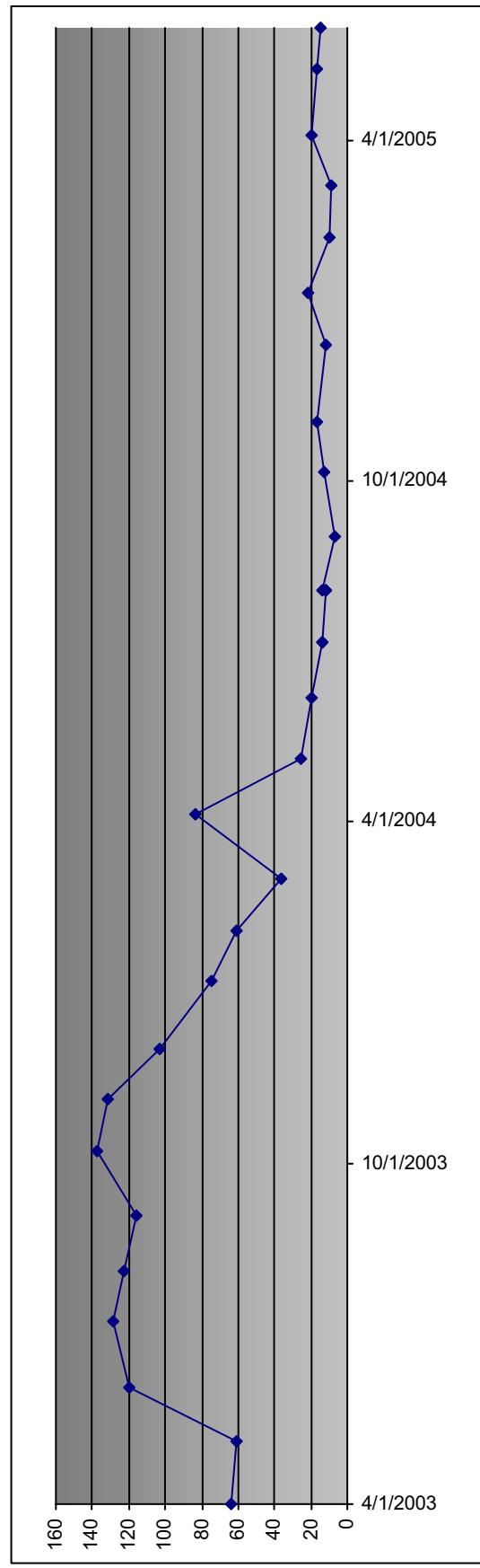


Figure F-97. Carbon Tetrachloride concentrations (ppmv) for Well Port IE3-2

Table F-98. Monitoring data for Well IE4-1 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
IE4-1	☒	M	266870 ft	669514 ft	4 sec	75.5 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 3:50 PM	1/11/2005 2:08 PM	2.76E+01	6.99E+00	3.73E+00	1.16E+01	5.92E+01	1.53E+03
2/10/2005 8:45 AM	2/10/2005 4:29 PM	1.02E+01	3.06E+00	1.44E+00	2.38E+00	1.40E+01	6.35E+03
3/8/2005 3:48 PM	3/9/2005 1:47 PM	9.91E+00	2.27E+00	1.02E+00	5.55E+00	2.10E+01	1.09E+04
4/5/2005 8:41 AM	4/6/2005 10:33 AM	2.39E+01	6.50E+00	5.59E+00	8.79E+00	5.06E+01	8.55E+03
5/10/2005 4:13 PM	5/12/2005 9:48 AM	2.70E+01	5.96E+00	3.02E+00	9.20E+00	5.13E+01	1.31E+04
6/1/2005 1:00 PM	6/2/2005 2:35 PM	4.51E+01	8.23E+00	4.41E+00	2.55E+01	9.22E+01	1.25E+04

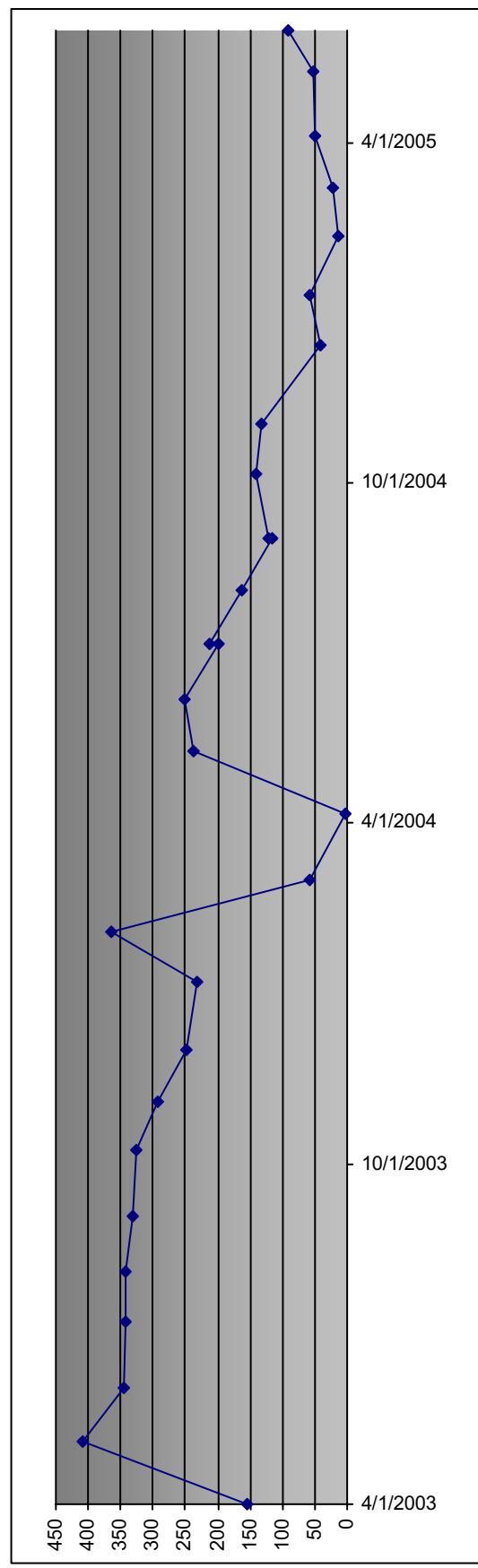


Figure F-98. Carbon Tetrachloride concentrations (ppmv) for Well Port IE4-1

Table F-99. Monitoring data for Well IE4-2 from January through June, 2005.

Well Port IE4-2	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266870 ft	Northing 669514 ft	Purge Time 3 sec	Depth 46.5 ft
1/10/2005	3:51 PM	1/11/2005	2:11 PM	4.58E+01	1.17E+01	1.69E+01
2/10/2005	8:46 AM	2/10/2005	4:31 PM	3.68E+01	1.15E+01	8.39E+00
3/8/2005	3:49 PM	3/9/2005	1:53 PM	4.43E+01	1.29E+01	9.29E+00
4/5/2005	8:42 AM	4/6/2005	10:36 AM	3.96E+01	1.15E+01	9.68E+00
5/10/2005	4:15 PM	5/12/2005	9:51 AM	3.64E+01	9.68E+00	6.44E+00
6/1/2005	1:01 PM	6/2/2005	2:38 PM	2.79E+01	7.40E+00	5.73E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	3:51 PM	1/11/2005	2:11 PM	4.58E+01	1.17E+01	1.69E+01	4.22E+01
2/10/2005	8:46 AM	2/10/2005	4:31 PM	3.68E+01	1.15E+01	8.39E+00	7.00E+00
3/8/2005	3:49 PM	3/9/2005	1:53 PM	4.43E+01	1.29E+01	9.29E+00	1.17E+01
4/5/2005	8:42 AM	4/6/2005	10:36 AM	3.96E+01	1.15E+01	9.68E+00	1.29E+01
5/10/2005	4:15 PM	5/12/2005	9:51 AM	3.64E+01	9.68E+00	6.44E+00	1.20E+01
6/1/2005	1:01 PM	6/2/2005	2:38 PM	2.79E+01	7.40E+00	5.73E+00	1.47E+01

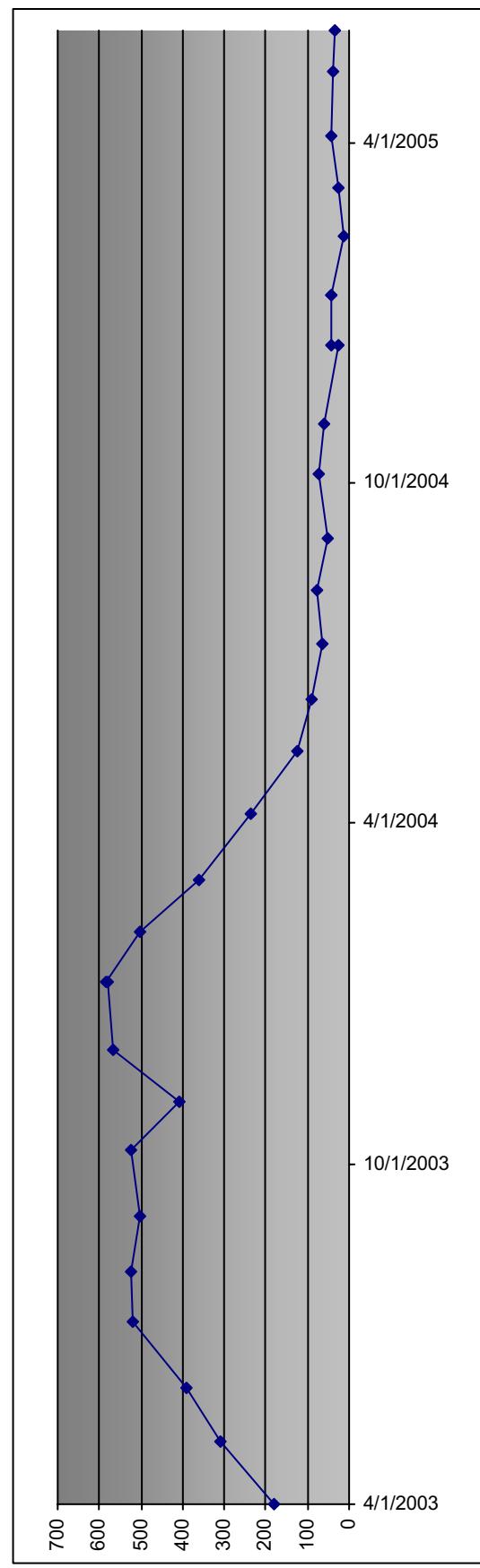


Figure F-99. Carbon Tetrachloride concentrations (ppmv) for Well Port IE4-2

Table F-100. Monitoring data for Well IE6-1 from January through June, 2005.

Well Port IE6-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266440 ft	Northing 669276 ft	Purge Time 4 sec	Depth 65.5 ft
1/10/2005	2:15 PM	1/11/2005	4:08 PM	1.71E+01	6.50E+00	2.70E+00
2/10/2005	10:26 AM	2/10/2005	4:52 PM	1.10E+01	4.09E+00	1.67E+00
3/8/2005	1:57 PM	3/9/2005	2:11 PM	9.84E+00	3.47E+00	1.86E+00
4/4/2005	11:04 AM	4/5/2005	11:23 AM	7.48E+00	2.48E+00	1.64E+00
5/10/2005	1:47 PM	5/12/2005	10:27 AM	6.50E+00	2.11E+00	1.17E+00
6/1/2005	4:26 PM	6/2/2005	10:41 AM	5.03E+00	2.37E+00	3.71E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	2:15 PM	1/11/2005	4:08 PM	1.71E+01	6.50E+00	2.70E+00	5.98E+00
2/10/2005	10:26 AM	2/10/2005	4:52 PM	1.10E+01	4.09E+00	1.67E+00	4.67E+00
3/8/2005	1:57 PM	3/9/2005	2:11 PM	9.84E+00	3.47E+00	1.86E+00	5.38E+00
4/4/2005	11:04 AM	4/5/2005	11:23 AM	7.48E+00	2.48E+00	1.64E+00	5.98E+00
5/10/2005	1:47 PM	5/12/2005	10:27 AM	6.50E+00	2.11E+00	1.17E+00	4.39E+00
6/1/2005	4:26 PM	6/2/2005	10:41 AM	5.03E+00	2.37E+00	3.71E+00	5.20E+00

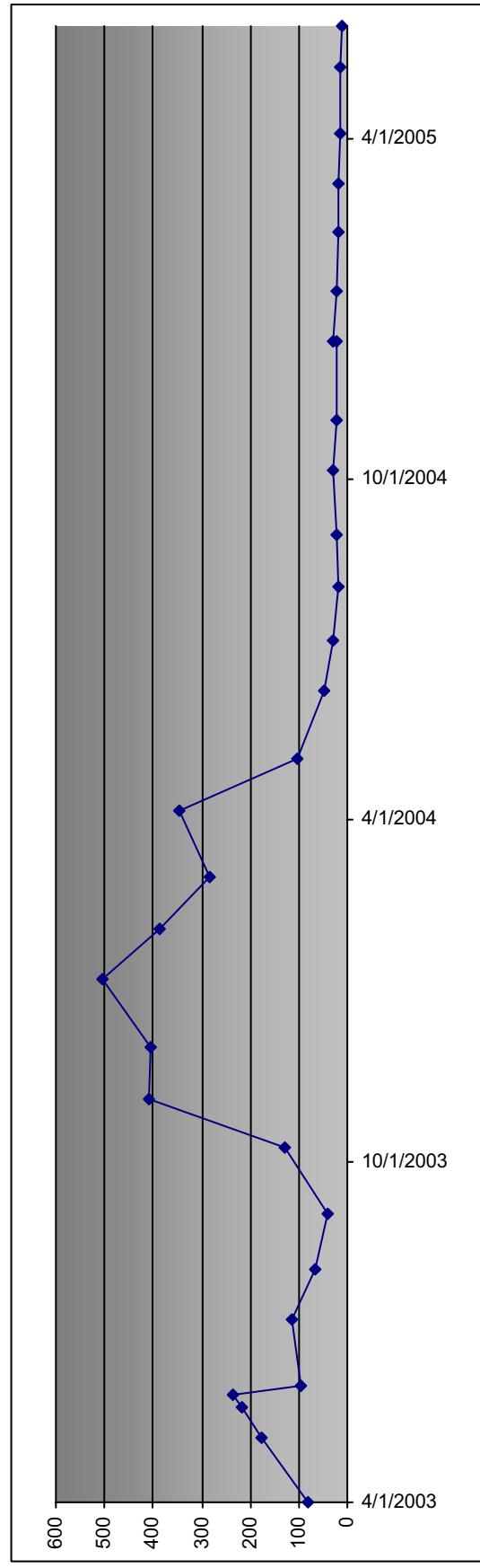


Figure F-100. Carbon Tetrachloride concentrations (ppmv) for Well Port IE6-1

Table F-101. Monitoring data for Well IE6-2 from January through June, 2005.

Well Port IE6-2	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 266440 ft	Northing 669276 ft	Purge Time 2 sec	Depth 35.5 ft
1/10/2005	2:16 PM	1/11/2005	4:11 PM	1.10E+02	4.43E+01	2.26E+01
2/10/2005	10:26 AM	2/10/2005	4:55 PM	8.78E+01	3.76E+01	1.58E+01
3/8/2005	1:58 PM	3/9/2005	2:14 PM	7.30E+01	3.27E+01	1.24E+01
4/4/2005	11:05 AM	4/5/2005	11:26 AM	7.21E+01	3.31E+01	1.20E+01
5/10/2005	1:49 PM	5/12/2005	10:30 AM	7.15E+01	3.05E+01	9.87E+00
6/1/2005	4:25 PM	6/2/2005	10:56 AM	2.26E+00	1.28E+00	2.40E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005	2:16 PM	1.10E+02	4.43E+01	2.26E+01	3.27E+01	1.59E+02	1.40E+03
2/10/2005	10:26 AM	8.78E+01	3.76E+01	1.58E+01	2.62E+01	1.52E+02	6.56E+03
3/8/2005	1:58 PM	7.30E+01	3.27E+01	1.24E+01	2.44E+01	1.53E+02	1.14E+04
4/4/2005	11:05 AM	7.21E+01	3.31E+01	1.20E+01	2.86E+01	1.86E+02	8.74E+03
5/10/2005	1:49 PM	7.15E+01	3.05E+01	9.87E+00	2.61E+01	2.09E+02	1.33E+04
6/1/2005	4:25 PM	2.26E+00	1.28E+00	2.40E+00	2.36E+00	5.23E+00	1.14E+04

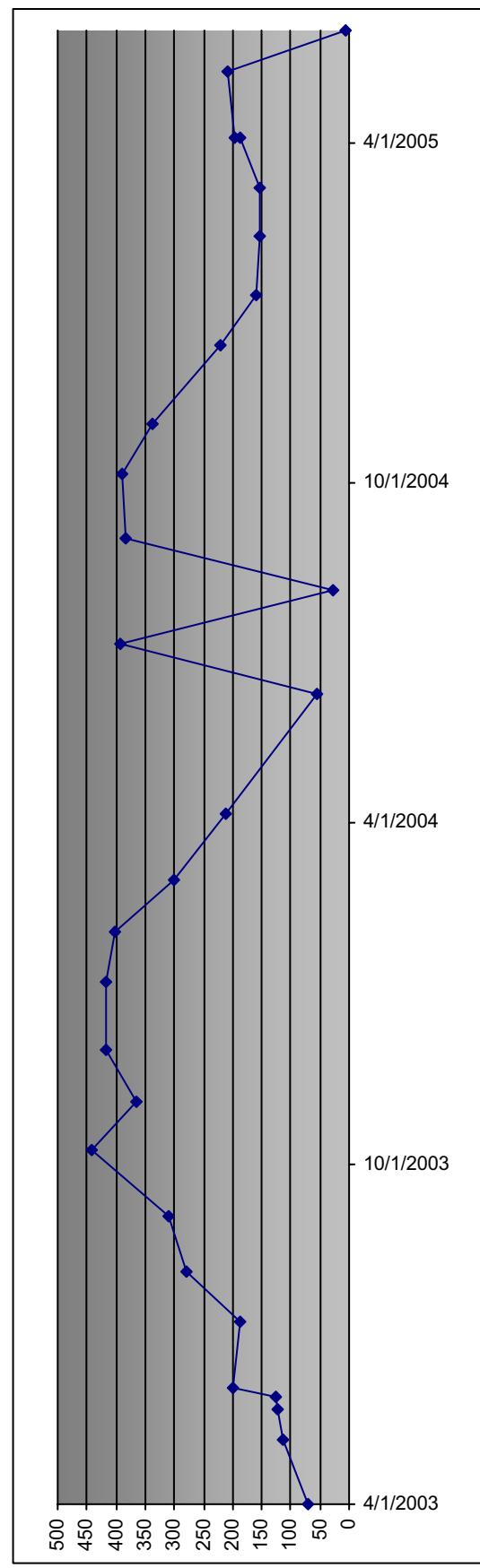


Figure F-101. Carbon Tetrachloride concentrations (ppmv) for Well Port IE6-2

Table F-102. Monitoring data for Well IE7-1 from January through June, 2005.

Well Port IE7-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267040 ft	Northing 669233 ft	Purge Time 4 sec	Depth 73.5 ft
3/8/2005	3:35 PM	3/9/2005	2:38 PM	1.17E+01	2.96E+00	4.52E+00
4/14/2005	10:00 AM	4/14/2005	11:25 AM	5.11E+00	2.56E+00	5.53E+00
5/10/2005	3:06 PM	5/12/2005	10:54 AM	5.51E+00	1.36E+00	9.20E-01
6/1/2005	1:22 PM	6/2/2005	12:47 PM	5.04E+00	1.03E+00	6.53E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/8/2005 3:35 PM	3/9/2005 2:38 PM	1.17E+01	2.96E+00	4.52E+00	4.55E+00	1.99E+01	1.10E+04
4/14/2005 10:00 AM	4/14/2005 11:25 AM	5.11E+00	2.56E+00	5.53E+00	5.15E+00	8.89E+00	6.27E+03
5/10/2005 3:06 PM	5/12/2005 10:54 AM	5.51E+00	1.36E+00	9.20E-01	3.03E+00	8.40E+00	1.29E+04
6/1/2005 1:22 PM	6/2/2005 12:47 PM	5.04E+00	1.03E+00	6.53E-01	2.43E+00	6.01E+00	1.69E+04

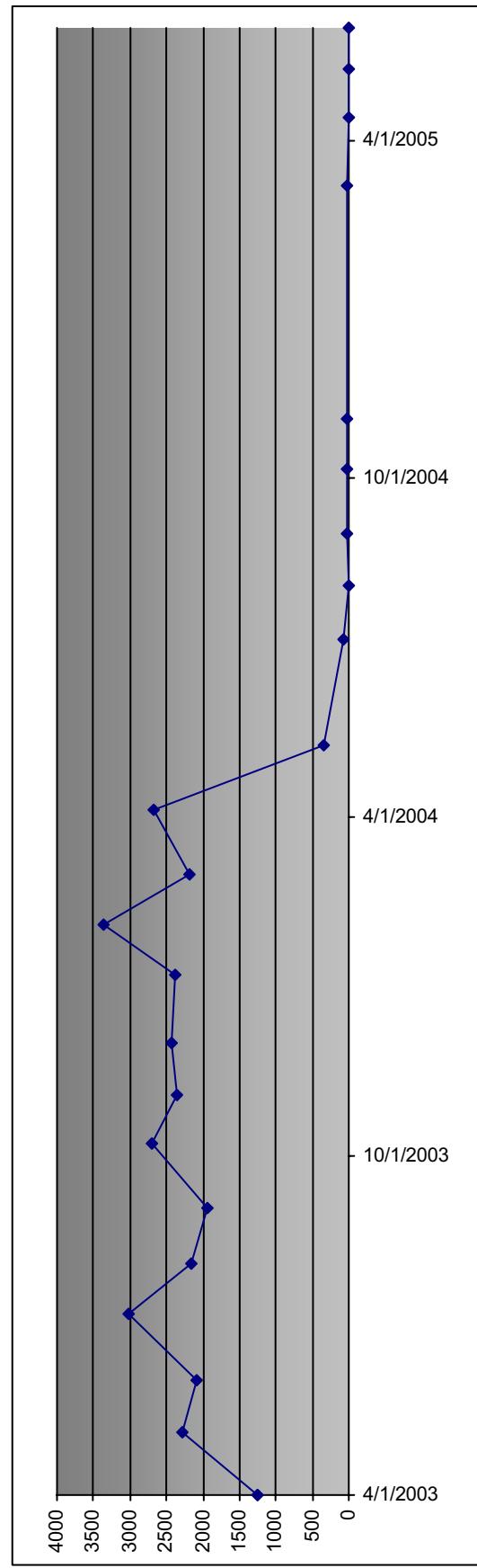


Figure F-102. Carbon Tetrachloride concentrations (ppmv) for Well Port IE7-1

Table F-103. Monitoring data for Well IE7-2 from January through June, 2005.

Well Port IE7-2	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267040 ft	Northing 669233 ft	Purge Time 3 sec	Depth 45.5 ft
3/8/2005	3:36 PM	3/9/2005	2:41 PM	1.72E+01	3.91E+00	1.86E+00
4/14/2005	10:02 AM	4/14/2005	11:28 AM	4.33E+00	2.25E+00	4.30E+00
5/10/2005	3:08 PM	5/12/2005	10:57 AM	3.91E+00	8.24E-01	8.37E-01
6/1/2005	1:21 PM	6/2/2005	12:50 PM	2.69E+00	8.90E-01	5.00E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/8/2005	3:36 PM	3/9/2005	2:41 PM	1.72E+01	3.91E+00	1.86E+00	7.37E+00
4/14/2005	10:02 AM	4/14/2005	11:28 AM	4.33E+00	2.25E+00	3.60E+00	6.87E+00
5/10/2005	3:08 PM	5/12/2005	10:57 AM	3.91E+00	8.24E-01	2.55E+00	5.70E+00
6/1/2005	1:21 PM	6/2/2005	12:50 PM	2.69E+00	8.90E-01	5.00E-01	3.60E+00

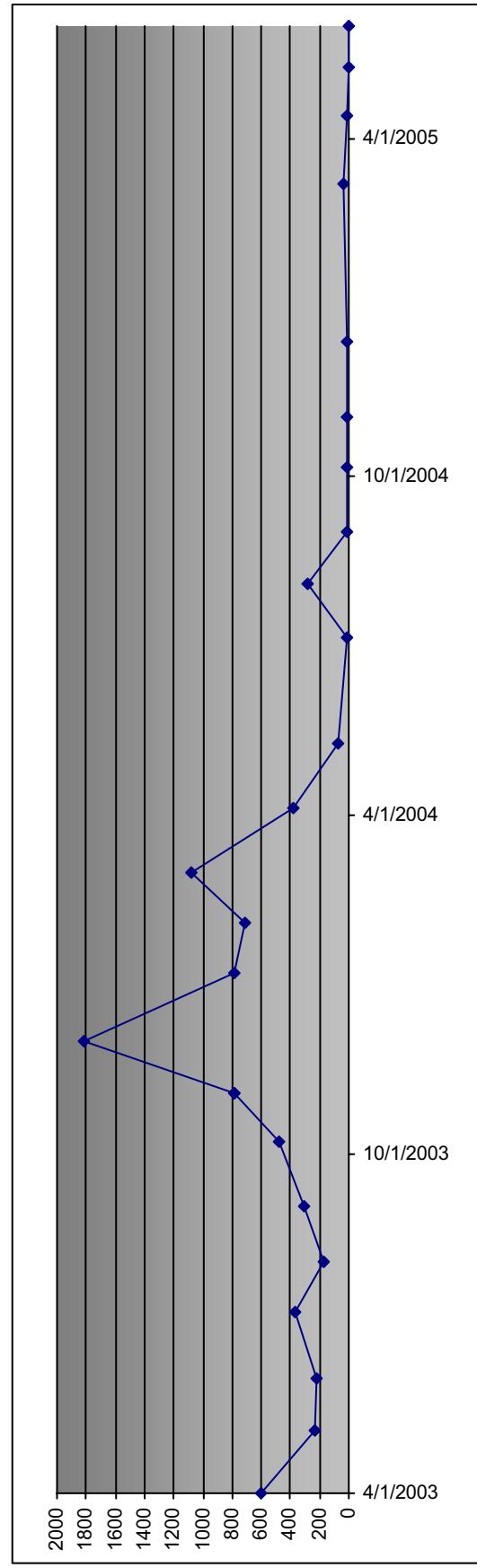


Figure F-103. Carbon Tetrachloride concentrations (ppmv) for Well Port IE7-2

Table F-104. Monitoring data for Well IE8-1 from January through June, 2005.

Well Port IE8-1	Inside Fence <input type="checkbox"/>	Frequency M	Easting 267563 ft	Northing 669472 ft	Purge Time 5 sec	Depth 79 ft			
1/10/2005	9:38 AM	1/12/2005	11:44 AM	1.35E+01	9.98E+00	2.55E+01	1.64E+01	4.88E+01	9.18E+02
3/8/2005	9:27 AM	3/9/2005	3:02 PM	1.02E+01	3.97E+00	1.39E+00	6.01E+00	2.42E+01	1.11E+04
4/4/2005	9:22 AM	4/5/2005	11:50 AM	1.38E+01	5.87E+00	2.12E+00	9.12E+00	3.96E+01	8.48E+03
5/10/2005	10:56 AM	5/12/2005	11:18 AM	1.01E+01	4.24E+00	1.49E+00	4.93E+00	2.34E+01	1.31E+04
6/1/2005	11:05 AM	6/2/2005	11:20 AM	1.08E+01	4.48E+00	2.72E+00	1.04E+01	2.97E+01	1.67E+04

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 9:38 AM	1/12/2005 11:44 AM	1.35E+01	9.98E+00	2.55E+01	1.64E+01	4.88E+01	9.18E+02
3/8/2005 9:27 AM	3/9/2005 3:02 PM	1.02E+01	3.97E+00	1.39E+00	6.01E+00	2.42E+01	1.11E+04
4/4/2005 9:22 AM	4/5/2005 11:50 AM	1.38E+01	5.87E+00	2.12E+00	9.12E+00	3.96E+01	8.48E+03
5/10/2005 10:56 AM	5/12/2005 11:18 AM	1.01E+01	4.24E+00	1.49E+00	4.93E+00	2.34E+01	1.31E+04
6/1/2005 11:05 AM	6/2/2005 11:20 AM	1.08E+01	4.48E+00	2.72E+00	1.04E+01	2.97E+01	1.67E+04

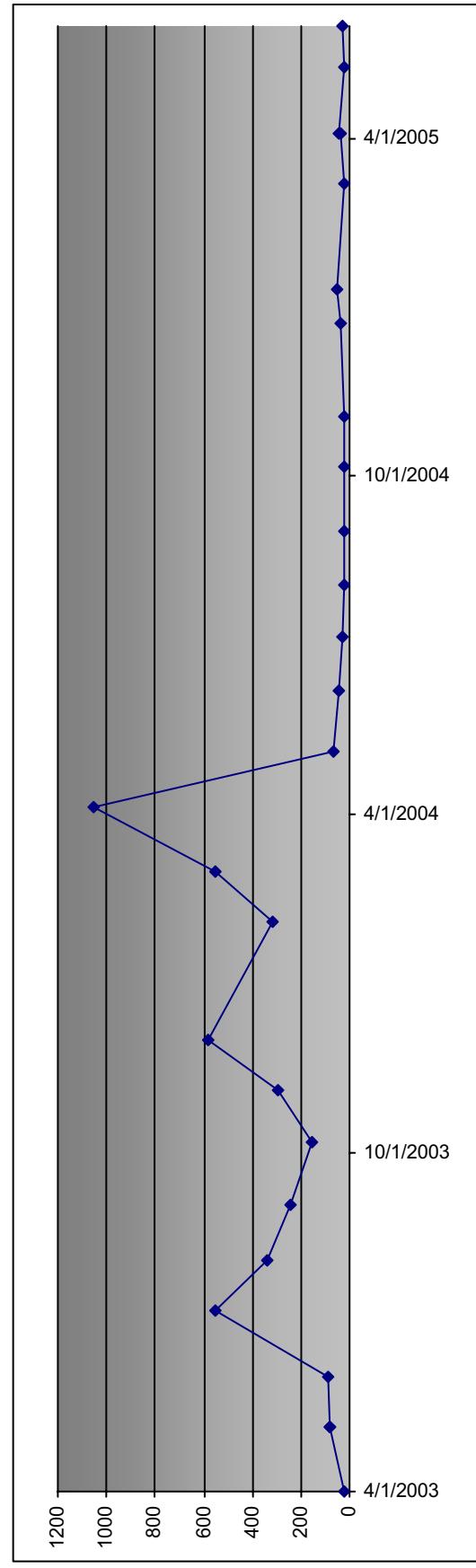


Figure F-104. Carbon Tetrachloride concentrations (ppmv) for Well Port IE8-1

Table F-105. Monitoring data for Well IE8-2 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
IE8-2	□	M	267563 ft	669472 ft	2 sec	28 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/10/2005 9:39 AM	1/12/2005 11:47 AM	1.07E+01	7.84E+00	2.18E+01	1.36E+01	3.31E+01	1.47E+03
3/8/2005 9:28 AM	3/9/2005 3:05 PM	5.26E+00	1.71E+00	7.48E-01	4.08E+00	1.35E+01	1.10E+04
4/4/2005 9:23 AM	4/5/2005 11:56 AM	6.85E+00	2.70E+00	1.33E+00	6.73E+00	1.90E+01	8.47E+03
5/10/2005 10:57 AM	5/12/2005 11:21 AM	5.85E+00	2.12E+00	9.24E-01	4.32E+00	1.32E+01	1.31E+04
6/1/2005 11:06 AM	6/2/2005 11:23 AM	4.13E+00	1.63E+00	1.87E+00	4.62E+00	8.63E+00	1.58E+04

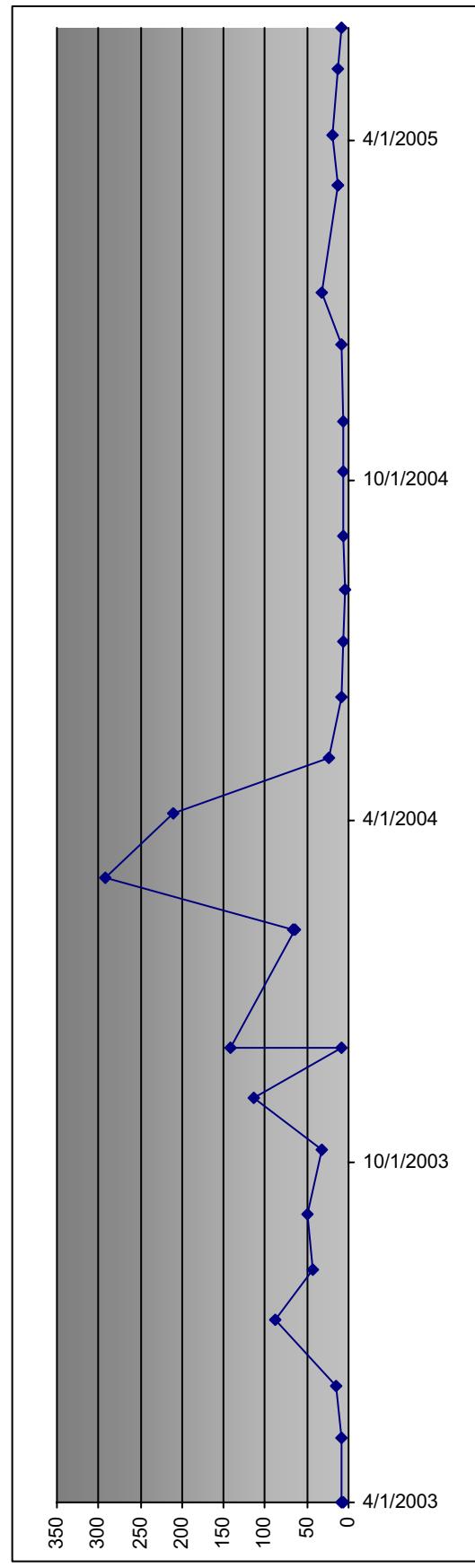


Figure F-105. Carbon Tetrachloride concentrations (ppmv) for Well Port IE8-2

Table F-106. Monitoring data for Well M17S-1 from January through June, 2005.

Well Port M17S-1	Inside Fence <input checked="" type="checkbox"/>	Frequency M	Easting 267183 ft	Northing 669364 ft	Purge Time 33 sec	Depth 573 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
2/10/2005 9:30 AM	2/10/2005 4:25 PM	2.68E+00	7.97E-01	3.88E-01	1.50E+00	2.79E+00	6.19E+03
3/8/2005 3:35 PM	3/9/2005 10:47 AM	4.17E+00	3.01E+00	7.85E+00	5.40E+00	8.75E+00	9.26E+03
4/5/2005 8:29 AM	4/6/2005 10:30 AM	2.72E+00	1.78E+00	4.44E+00	2.33E+00	4.62E+00	8.29E+03
5/10/2005 3:54 PM	5/12/2005 9:21 AM	2.70E+00	9.88E-01	1.53E+00	1.89E+00	5.95E+00	1.32E+04
6/1/2005 3:10 PM	6/2/2005 12:32 PM	1.86E+00	5.72E-01	5.68E-01	1.79E+00	3.32E+00	1.40E+04

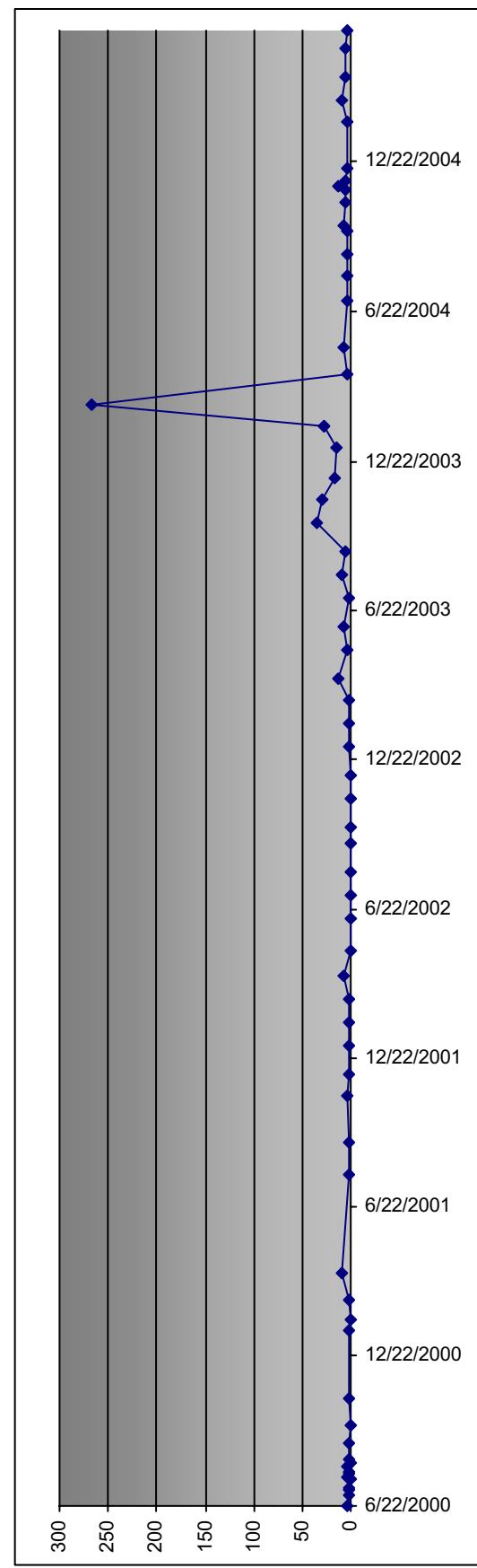


Figure F-106. Carbon Tetrachloride concentrations (ppmv) for Well Port M17S-1

Table F-107. Monitoring data for Well WWW1-1 from January through June, 2005.

Well Port WWW1-1	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 263210 ft	Northing 669941 ft	Purge Time 14 sec	Depth 240 ft
3/7/2005 10:55 AM		3/8/2005 1:21 PM		2.86E+00	4.59E-01	9.02E+04
6/1/2005 8:22 AM		6/1/2005 12:56 PM		2.62E+00	1.14E+00	1.40E+04

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005 10:55 AM	3/8/2005 1:21 PM	2.86E+00	1.09E+00	4.59E-01	9.52E-01	2.45E+00	1.02E+04
6/1/2005 8:22 AM	6/1/2005 12:56 PM	2.62E+00	1.14E+00	6.40E-01	1.05E+00	3.67E+00	1.40E+04

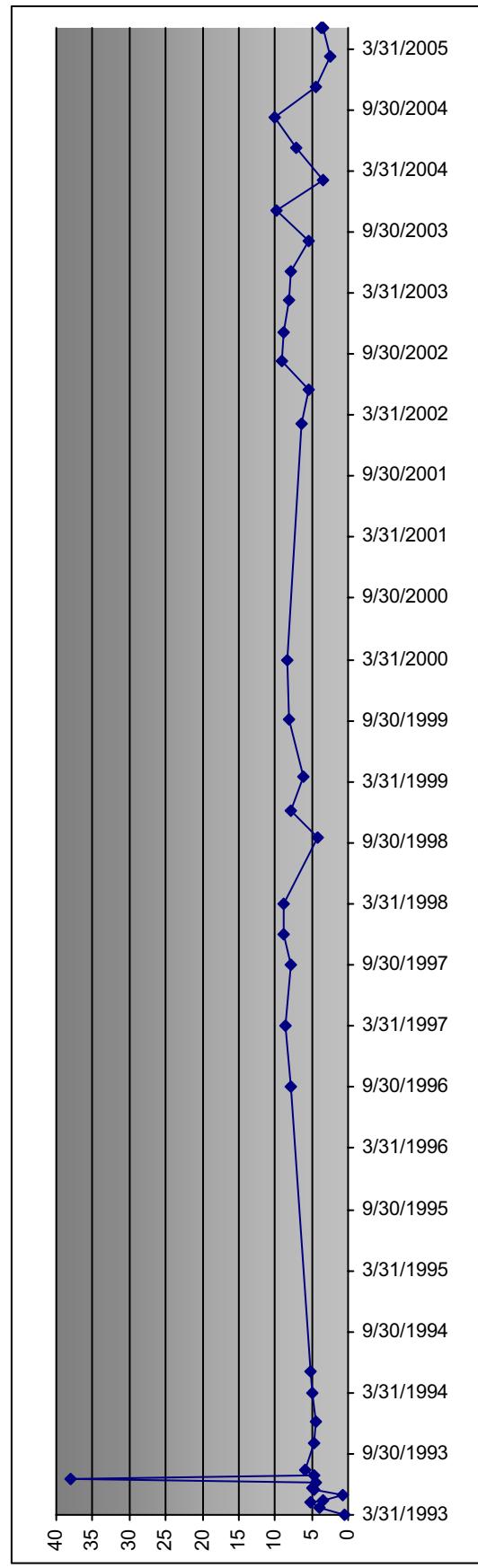


Figure F-107. Carbon Tetrachloride concentrations (ppmv) for Well Port WWW1-1

Table F-108. Monitoring data for Well WWW1-3 from January through June, 2005.

Well Port WWW1-3	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 263210 ft	Northing 669941 ft	Purge Time 8 sec	Depth 135 ft
3/7/2005	10:59 PM	3/8/2005	1:27 PM	1.94E+00	6.89E-01	4.01E-01
6/1/2005	8:23 AM	6/1/2005	1:02 PM	1.80E+00	6.68E-01	4.29E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005	10:59 PM	3/8/2005	1:27 PM	1.94E+00	6.89E-01	4.01E-01	8.26E-01
6/1/2005	8:23 AM	6/1/2005	1:02 PM	1.80E+00	6.68E-01	4.29E-01	8.66E-01

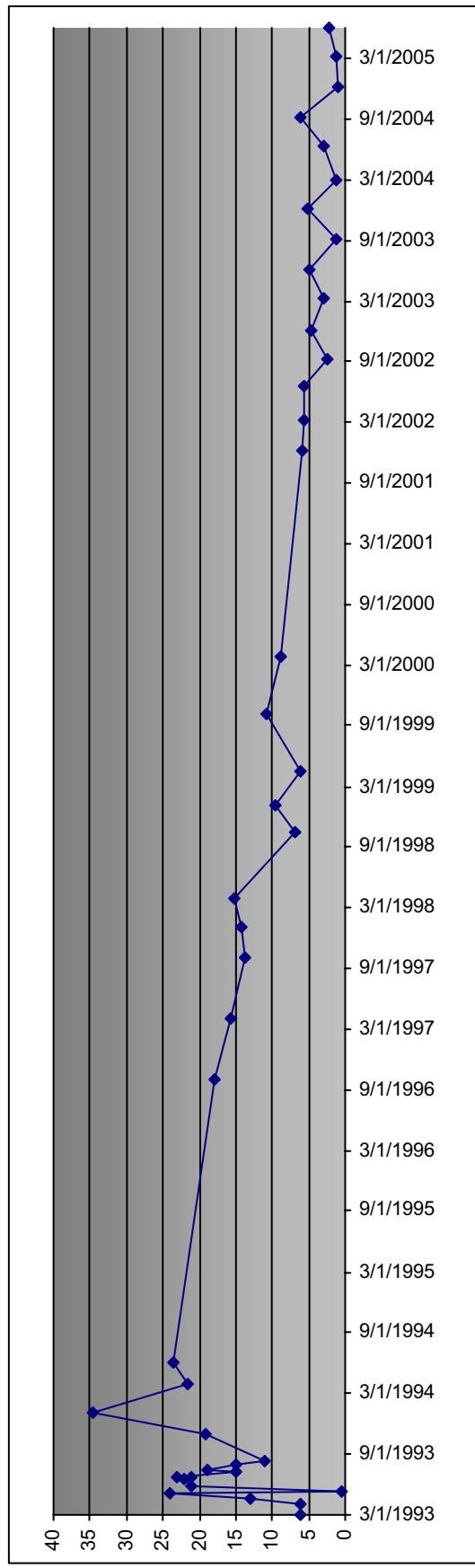


Figure F-108. Carbon Tetrachloride concentrations (ppmv) for Well Port WWW1-3

Table F-109. Monitoring data for Well WWW1-5 from January through June, 2005.

Well Port WWW1-5	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 263210 ft	Northing 669941 ft	Purge Time 4 sec	Depth 74 ft
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Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005 10:59 AM	3/8/2005 1:30 PM	2.29E+00	8.50E-01	4.23E-01	9.11E-01	1.78E+00	1.02E+04
6/1/2005 8:24 AM	6/1/2005 1:05 PM	2.03E+00	6.07E-01	3.53E-01	8.21E-01	1.61E+00	1.38E+04

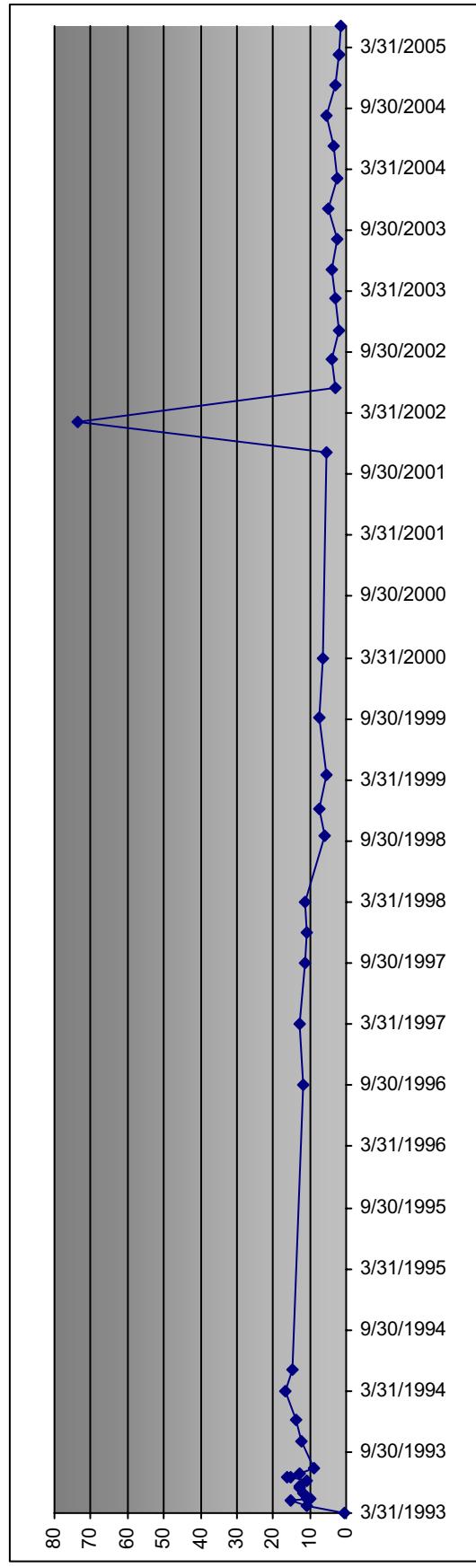


Figure F-109. Carbon Tetrachloride concentrations (ppmv) for Well Port WWW1-5

Table F-110. Monitoring data for Well 77.1-2 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
77.1-2	□	M	266933 ft	670623 ft	11 sec	190 ft

Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/12/2005 10:07 AM	1/12/2005 1:29 PM	7.17E+00	6.77E-01	8.97E+01	4.26E+00	0.00E+00	1.01E+03
2/8/2005 11:30 AM	2/9/2005 3:32 PM	4.31E+00	1.05E+01	9.55E+01	6.33E+00	0.00E+00	6.19E+03
2/8/2005 11:30 AM	2/9/2005 12:00 PM	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3/7/2005 11:18 AM	3/8/2005 11:36 AM	3.26E+00	2.14E-01	6.95E+01	4.70E+00	0.00E+00	1.01E+04
4/5/2005 10:37 AM	4/7/2005 2:09 PM	3.57E+00	1.55E+00	3.39E+01	3.92E+00	3.79E+00	8.71E+03
5/10/2005 2:11 PM	5/10/2005 1:48 PM	5.03E+00	2.66E+00	9.01E+01	8.11E+00	7.92E+00	1.82E+04
6/1/2005 9:34 AM	6/1/2005 12:47 PM	2.70E+00	5.92E-01	3.31E+01	2.95E+00	9.89E-01	1.40E+04

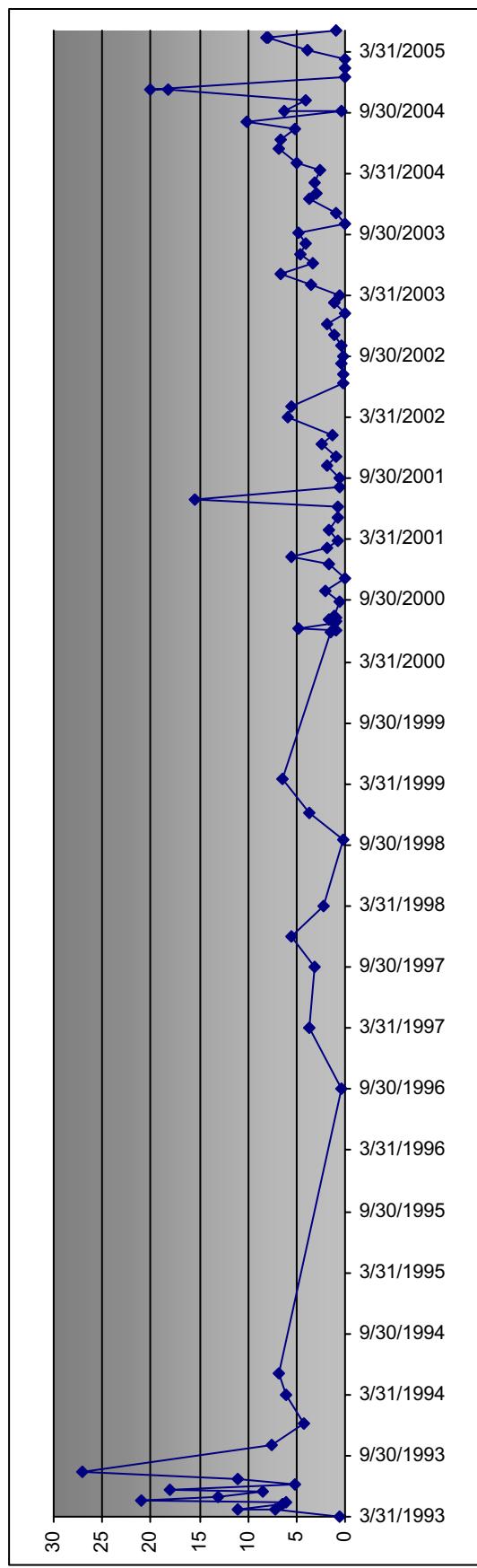


Figure F-110. Carbon Tetrachloride concentrations (ppmv) for Well Port 77.1-2

Table F-111. Monitoring data for Well 77.1-4 from January through June, 2005.

Well Port 77.1-4	Inside Fence <input type="checkbox"/>	Frequency M	Easting 266933 ft	Northing 670623 ft	Purge Time 6 sec	Depth 111 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/12/2005 10:08 AM	1/12/2005 1:32 PM	7.78E+00	1.27E+00	8.42E+01	4.36E+00	-2.60E+00	9.87E+02
2/8/2005 11:32 AM	2/9/2005 3:35 PM	5.43E+00	2.89E+00	2.58E+01	3.89E+00	5.92E+00	6.11E+03
3/7/2005 11:21 AM	3/8/2005 11:39 AM	3.25E+00	4.87E-01	5.65E+01	3.85E+00	-2.30E+00	1.01E+04
4/5/2005 10:38 AM	4/7/2005 2:12 PM	4.27E+00	2.04E+00	3.80E+01	4.34E+00	4.28E+00	8.72E+03
5/10/2005 2:12 PM	5/10/2005 1:54 PM	6.77E+00	3.57E+00	3.59E+01	7.06E+00	1.59E+01	1.83E+04
6/1/2005 9:35 AM	6/1/2005 12:50 PM	6.32E+00	3.03E+00	4.10E+01	4.48E+00	5.80E+00	1.41E+04

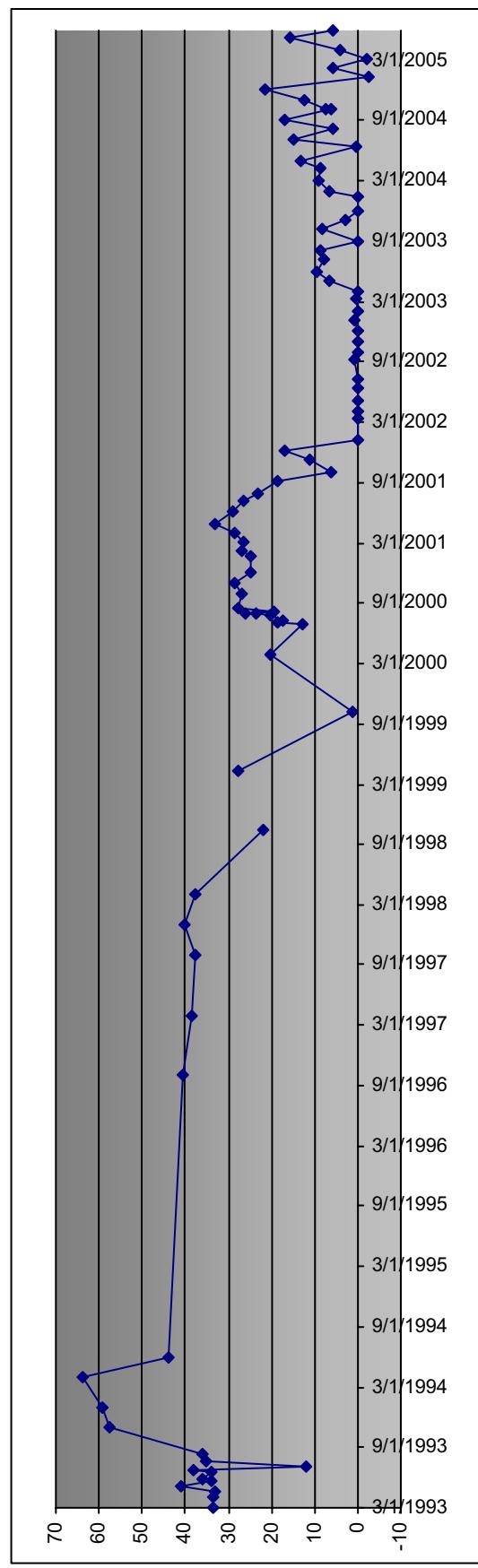


Figure F-111. Carbon Tetrachloride concentrations (ppmv) for Well Port 77.1-4

Table F-112. Monitoring data for Well 77.1-6 from January through June, 2005.

Well Port 77.1-6	Inside Fence <input type="checkbox"/>	Frequency M	Easting 266933 ft	Northing 670623 ft	Purge Time 4 sec	Depth 64 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/12/2005 10:09 AM	1/12/2005 1:35 PM	6.06E+00	3.23E+00	3.84E+00	2.24E+00	5.73E+00	9.98E+02
2/8/2005 11:34 AM	2/9/2005 3:38 PM	4.54E+00	2.69E+00	2.98E+00	3.01E+00	7.43E+00	6.16E+03
3/7/2005 11:21 AM	3/8/2005 11:42 AM	3.84E+00	2.06E+00	3.58E+00	1.66E+00	4.66E+00	1.02E+04
4/5/2005 10:39 AM	4/7/2005 2:15 PM	4.06E+00	2.57E+00	7.45E+00	2.70E+00	6.42E+00	8.74E+03
5/10/2005 2:13 PM	5/10/2005 1:57 PM	4.36E+00	2.70E+00	6.43E+00	4.44E+00	1.12E+01	1.84E+04
6/1/2005 9:36 AM	6/1/2005 12:53 PM	4.56E+00	2.66E+00	2.44E+00	2.35E+00	5.92E+00	1.41E+04

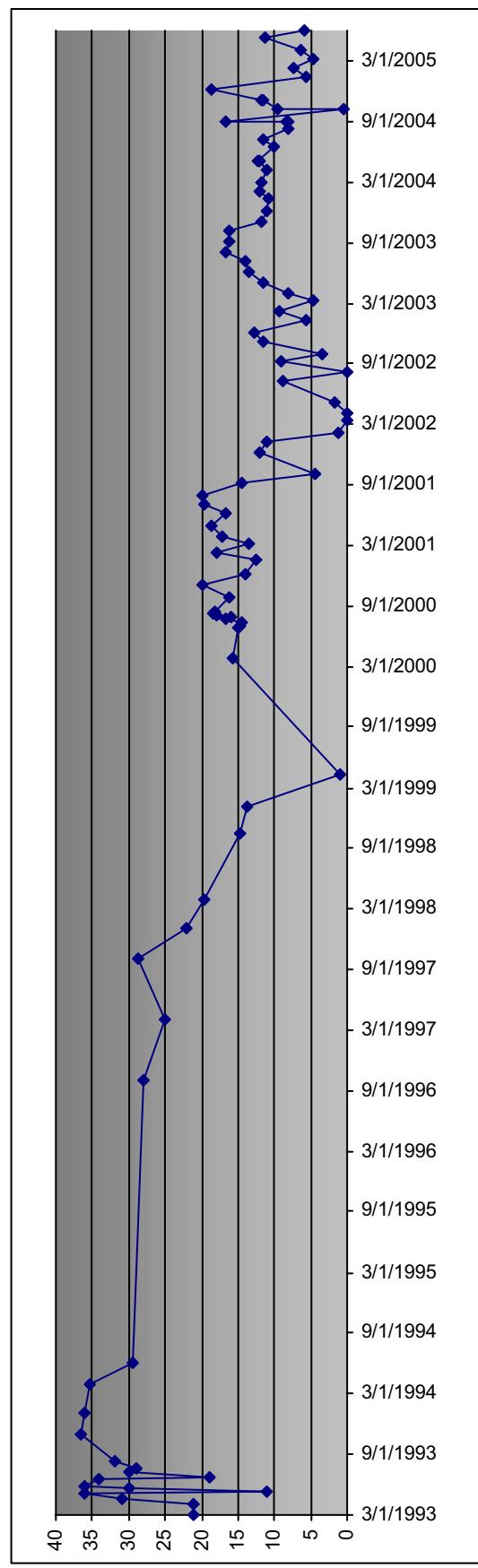


Figure F-112. Carbon Tetrachloride concentrations (ppmv) for Well Port 77.1-6

Table F-113. Monitoring data for Well 78.4-1 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
78.4.1	□	M	266935 ft	670650 ft	19 sec	333 ft

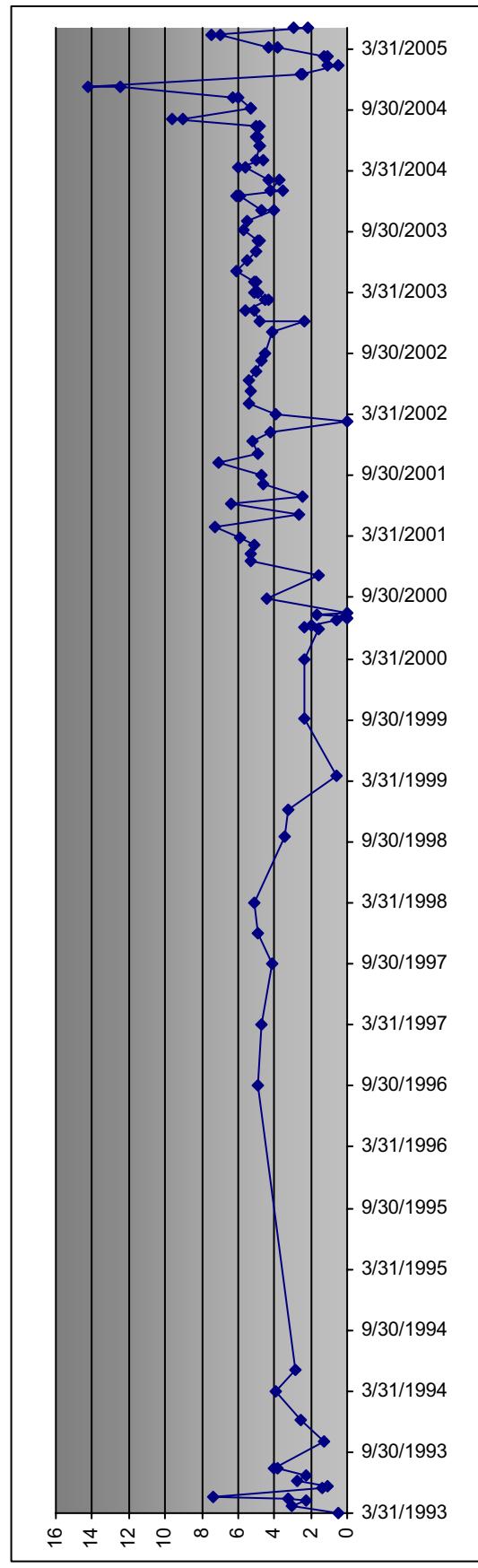
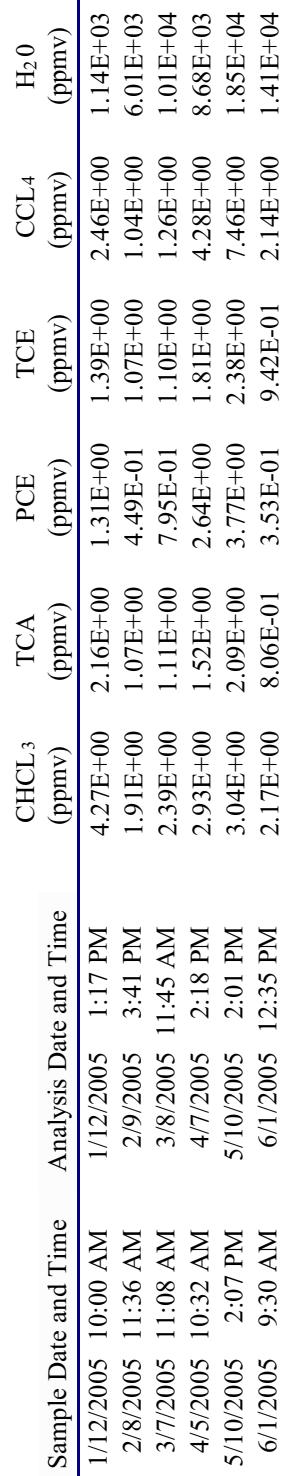


Figure F-113. Carbon Tetrachloride concentrations (ppmv) for Well Port 78.4-1

Table F-114. Monitoring data for Well 78.4-2 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
78.4.2	□	M	266935 ft	670650 ft	1.5 sec	251 ft

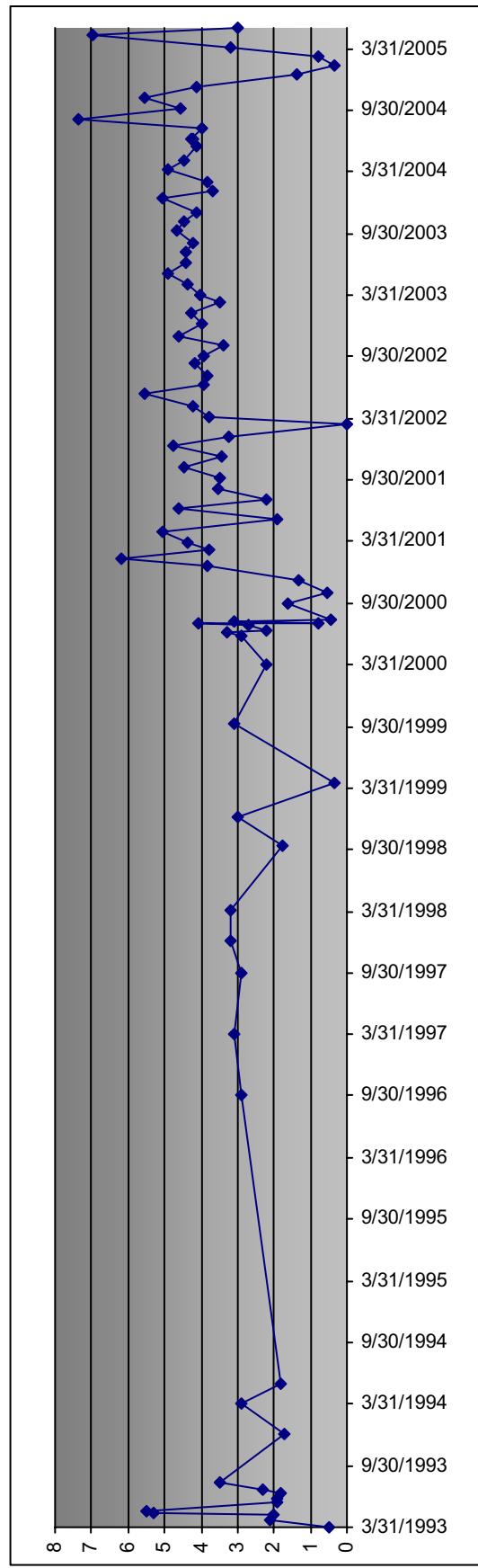
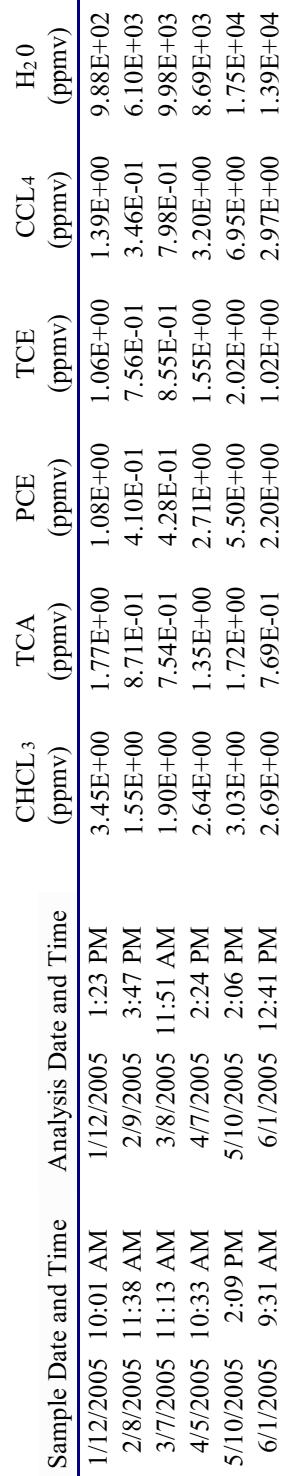


Figure F-114. Carbon Tetrachloride concentrations (ppmv) for Well Port 78.4-2

Table F-115. Monitoring data for Well 78.4-5 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
78.4-5	□	M	266935 ft	670650 ft	4 sec	77 ft
1/12/2005	10:03 AM		1/12/2005	1:26 PM	4.46E+00	1.96E+00
2/8/2005	11:40 AM		2/9/2005	3:50 PM	3.48E+00	1.49E+00
3/7/2005	11:16 AM		3/8/2005	11:54 AM	2.80E+00	1.03E+00
4/5/2005	10:34 AM		4/7/2005	2:27 PM	3.25E+00	1.58E+00
5/10/2005	2:10 PM		5/10/2005	2:09 PM	3.88E+00	1.72E+00
6/1/2005	9:32 AM		6/1/2005	12:44 PM	2.64E+00	8.36E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/12/2005 10:03 AM	1/12/2005 1:26 PM	4.46E+00	1.96E+00	5.57E+00	1.60E+00	2.67E+00	9.93E+02
2/8/2005 11:40 AM	2/9/2005 3:50 PM	3.48E+00	1.49E+00	4.82E+00	2.16E+00	5.83E+00	6.21E+03
3/7/2005 11:16 AM	3/8/2005 11:54 AM	2.80E+00	1.03E+00	2.62E+00	1.07E+00	2.66E+00	1.00E+04
4/5/2005 10:34 AM	4/7/2005 2:27 PM	3.25E+00	1.58E+00	3.52E+00	1.99E+00	5.15E+00	8.70E+03
5/10/2005 2:10 PM	5/10/2005 2:09 PM	3.88E+00	1.72E+00	5.95E+00	3.07E+00	8.62E+00	1.86E+04
6/1/2005 9:32 AM	6/1/2005 12:44 PM	2.64E+00	8.36E-01	2.75E+00	1.58E+00	4.38E+00	1.41E+04

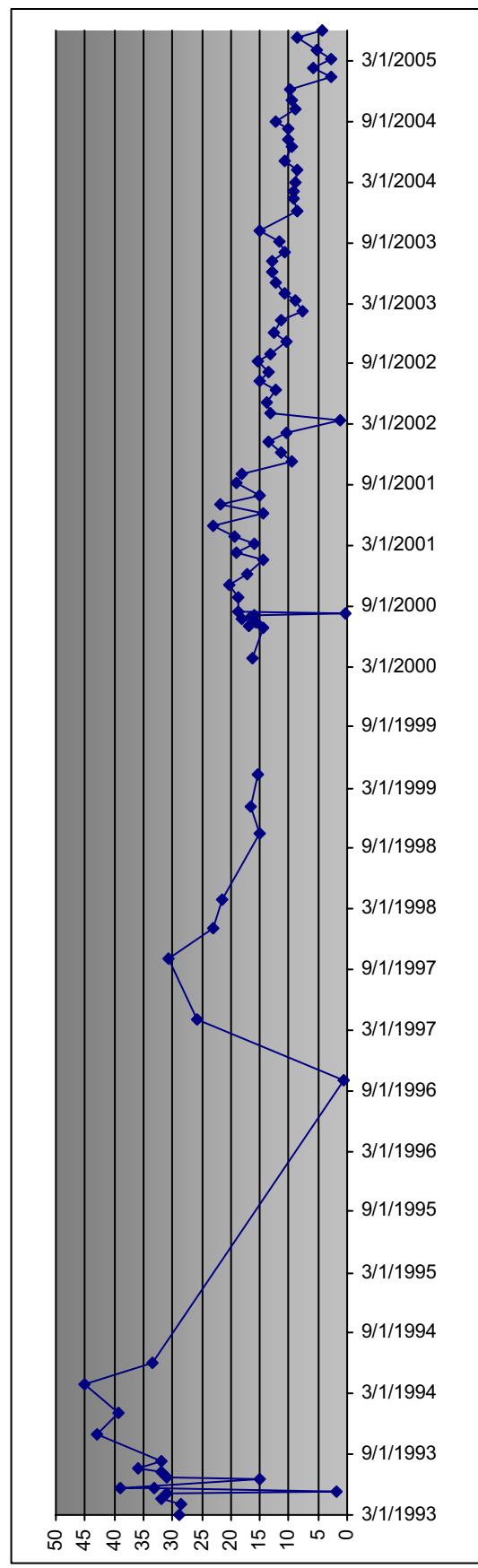


Figure F-115. Carbon Tetrachloride concentrations (ppmv) for Well Port 78.4-5

Table F-116. Monitoring data for Well USGS118-1 from January through June, 2005.

Well Port USGS118-1	Inside Fence <input type="checkbox"/>	Frequency M	Easting 267802 ft	Northing 668007 ft	Purge Time 32 sec	Depth 552 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/5/2005 10:27 AM	1/6/2005 3:42 PM	3.19E+00	1.42E+00	3.03E-01	6.08E-01	0.00E+00	1.14E+03
2/8/2005 1:50 PM	2/10/2005 11:56 AM	2.59E+00	2.08E+00	5.19E+00	2.74E+00	5.19E+00	4.69E+03
3/7/2005 9:02 AM	3/8/2005 1:09 PM	2.28E+00	7.11E-01	1.75E-01	7.54E-01	1.19E+00	1.02E+04
4/5/2005 11:48 AM	4/7/2005 2:39 PM	2.38E+00	1.02E+00	1.57E+00	1.18E+00	2.08E+00	8.67E+03
5/10/2005 11:10 AM	5/10/2005 2:12 PM	1.83E+00	7.25E-01	2.61E+00	1.10E+00	2.86E+00	2.14E+04
5/31/2005 3:01 PM	6/1/2005 12:00 AM	1.41E+00	6.64E-01	1.62E+00	9.03E-01	1.24E+00	1.51E+04

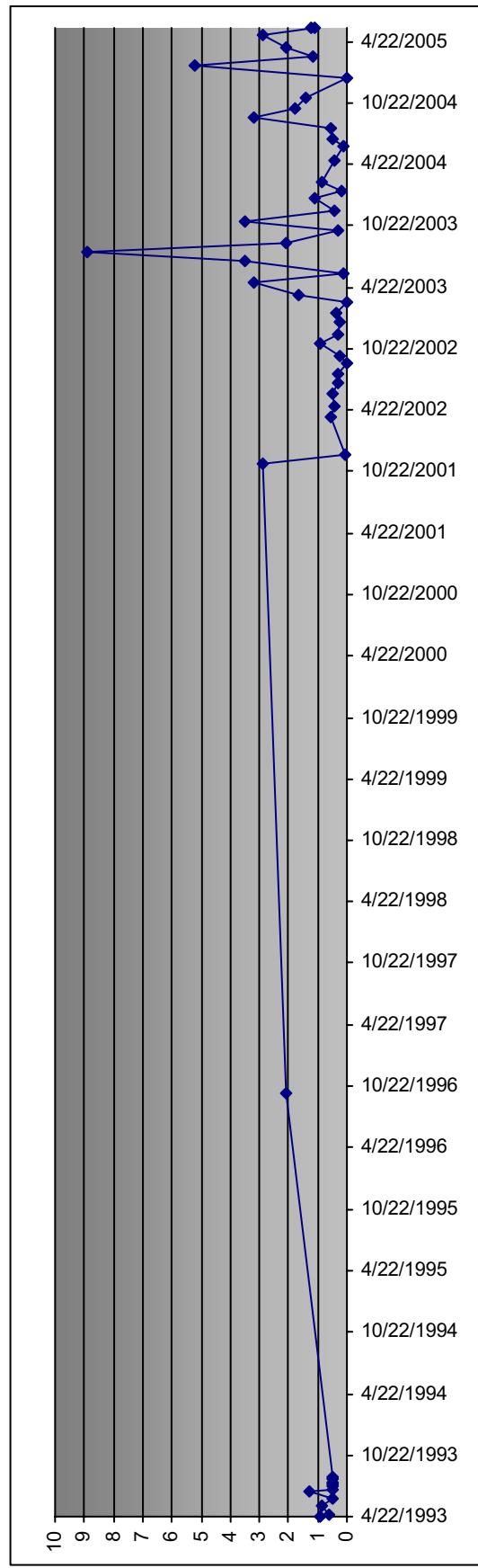


Figure F-116. Carbon Tetrachloride concentrations (ppmv) for Well Port USGS118-1

Table F-117. Monitoring data for Well USGS118-2 from January through June, 2005.

Well Port USGS118-2	Inside Fence <input type="checkbox"/>	Frequency M	Easting 267802 ft	Northing 668007 ft	Purge Time 15 sec	Depth 255 ft
3/7/2005	9:06 AM	3/8/2005	1:12 PM	2.34E+00	6.44E-01	2.83E-01
5/31/2005	3:02 PM	6/1/2005	12:00 AM	1.51E+00	5.08E-01	1.24E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005	9:06 AM	3/8/2005	1:12 PM	2.34E+00	6.44E-01	2.83E-01	1.01E+04
5/31/2005	3:02 PM	6/1/2005	12:00 AM	1.51E+00	5.08E-01	1.24E+00	1.50E+04

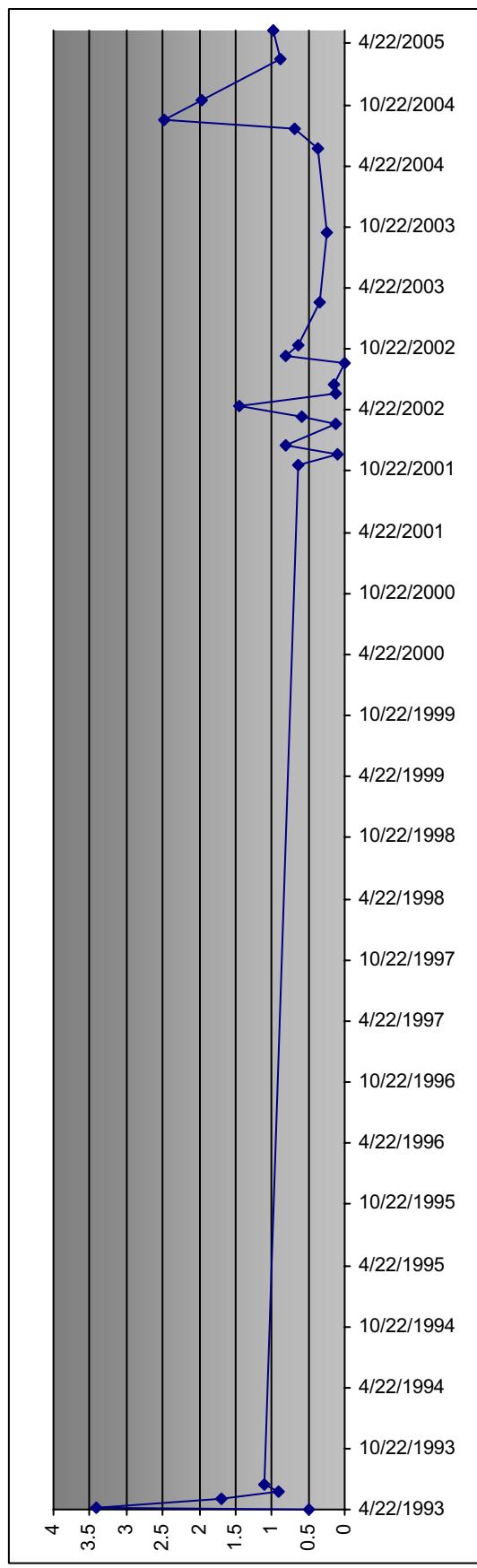


Figure F-117. Carbon Tetrachloride concentrations (ppmv) for Well Port USGS118-2

Table F-118. Monitoring data for Well USGS118-3 from January through June, 2005.

Well Port USGS118-3	Inside Fence <input type="checkbox"/>	Frequency M	Easting 267802 ft	Northing 668007 ft	Purge Time 7 sec	Depth 125 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/5/2005 10:29 AM	1/6/2005 3:45 PM	3.35E+00	1.45E+00	4.26E-01	6.98E-01	0.00E+00	1.11E+03
2/8/2005 1:54 PM	2/10/2005 12:05 PM	2.65E+00	1.81E+00	3.78E+00	2.20E+00	4.22E+00	4.77E+03
3/7/2005 9:09 AM	3/8/2005 1:15 PM	2.12E+00	6.91E-01	2.09E-01	8.11E-01	8.63E-01	1.02E+04
4/5/2005 11:49 AM	4/7/2005 2:42 PM	2.56E+00	1.15E+00	1.31E+00	1.42E+00	2.57E+00	8.69E+03
5/10/2005 11:15 AM	5/10/2005 2:15 PM	2.32E+00	6.86E-01	2.35E+00	1.07E+00	3.33E+00	2.46E+04
5/31/2005 3:03 PM	6/1/2005 12:00 AM	1.49E+00	5.82E-01	1.45E+00	9.23E-01	1.11E+00	1.51E+04

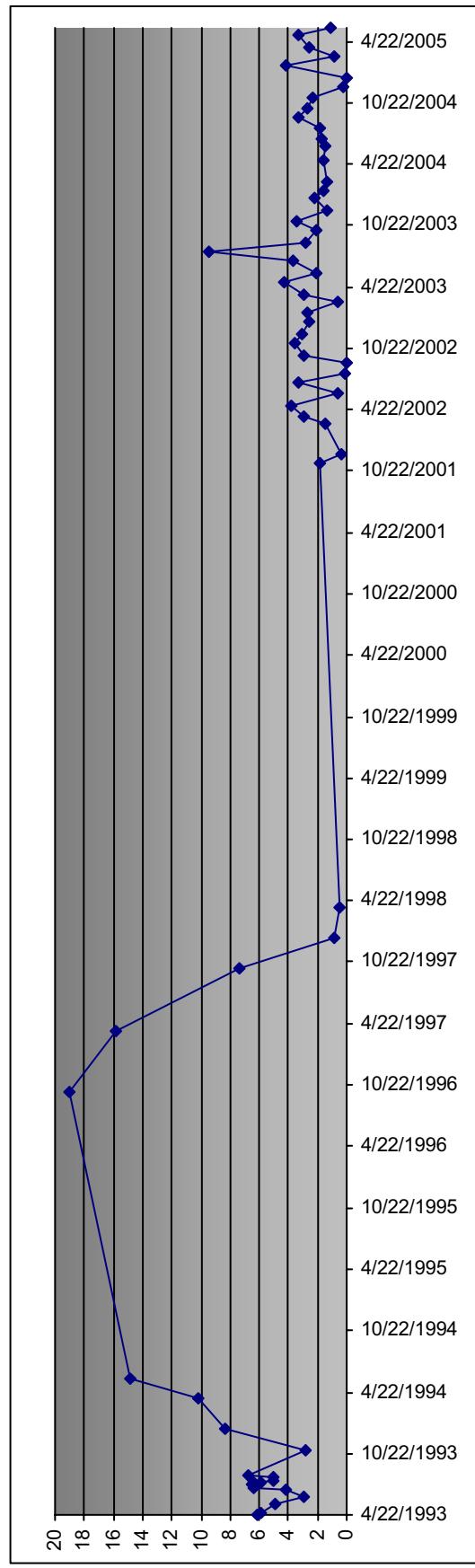


Figure F-118. Carbon Tetrachloride concentrations (ppmv) for Well Port USGS118-3

Table F-119. Monitoring data for Well USGS118-4 from January through June, 2005.

Well Port USGS118-4	Inside Fence <input type="checkbox"/>	Frequency M	Easting 267802 ft	Northing 668007 ft	Purge Time 5 sec	Depth 85 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/5/2005 10:36 AM	1/6/2005 3:48 PM	3.24E+00	1.39E+00	3.04E-01	8.62E-01	0.00E+00	1.12E+03
2/8/2005 1:56 PM	2/10/2005 12:08 PM	2.38E+00	1.66E+00	3.34E+00	1.90E+00	3.17E+00	5.16E+03
3/7/2005 9:11 AM	3/8/2005 1:18 PM	2.15E+00	5.99E-01	4.32E-01	6.02E-01	6.51E-01	1.01E+04
4/5/2005 11:51 AM	4/7/2005 2:45 PM	2.62E+00	1.06E+00	1.38E+00	1.18E+00	2.23E+00	8.72E+03
5/10/2005 11:17 AM	5/10/2005 2:18 PM	1.74E+00	6.40E-01	2.18E+00	9.80E-01	2.55E+00	2.25E+04
5/31/2005 3:04 PM	6/1/2005 12:00 AM	1.32E+00	5.83E-01	1.40E+00	7.98E-01	7.75E-01	1.49E+04

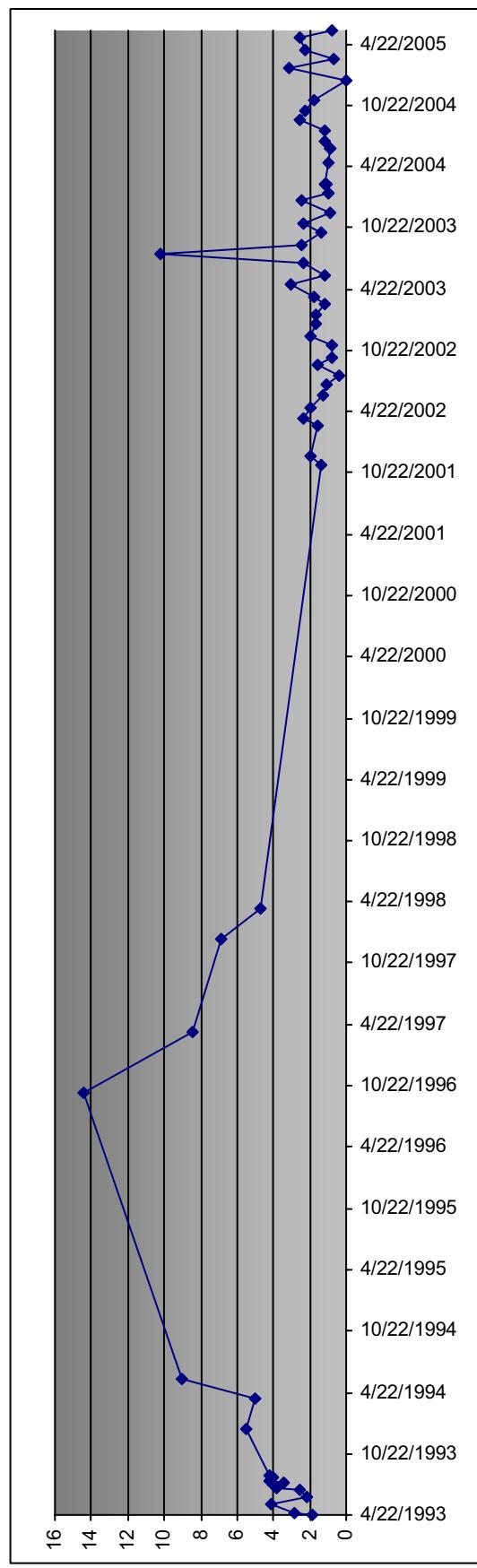


Figure F-119. Carbon Tetrachloride concentrations (ppmv) for Well Port USGS118-4

Table F-120. Monitoring data for Well M1S-1 from January through June, 2005.

Well Port M1S-1	Inside Fence □	Frequency M	Easting 264962 ft	Northing 668992 ft	Purge Time 33 sec	Depth 566 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/12/2005 10:30 AM	1/12/2005 12:35 PM	4.28E+00	2.42E+00	3.41E+00	2.39E+00	3.46E+00	1.03E+03
2/8/2005 11:58 AM	2/9/2005 3:53 PM	1.97E+00	8.60E-01	4.79E-01	9.78E-01	8.36E-01	6.07E+03
3/7/2005 10:40 AM	3/8/2005 9:39 AM	4.21E+00	3.62E+00	8.36E+00	5.41E+00	8.57E+00	1.00E+04
4/5/2005 10:47 AM	4/6/2005 12:51 PM	2.78E+00	9.77E-01	9.63E-01	1.03E+00	1.50E+00	8.47E+03
5/10/2005 1:31 PM	5/11/2005 9:37 AM	3.40E+00	2.69E+00	7.29E+00	4.62E+00	5.03E+00	1.46E+04
6/1/2005 8:05 AM	6/1/2005 1:40 PM	1.56E+00	3.25E-01	1.72E-01	5.84E-01	2.42E-01	1.37E+04

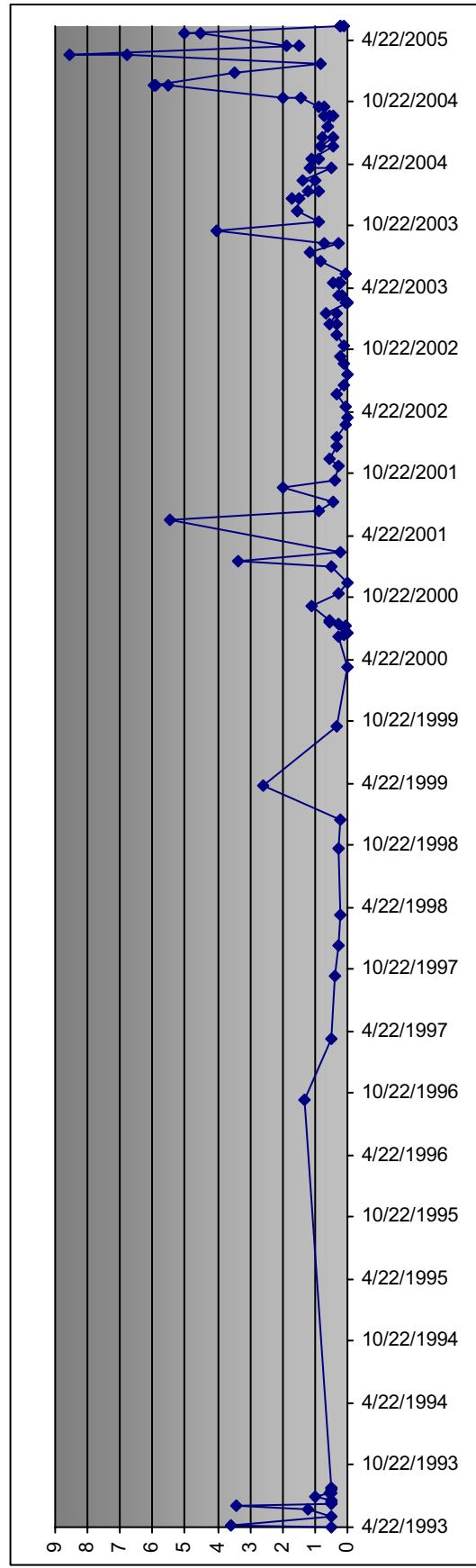


Figure F-120. Carbon Tetrachloride concentrations (ppmv) for Well Port M1S-1

Table F-121. Monitoring data for Well M1S-2 from January through June, 2005.

Well Port M1S-2	Inside Fence □	Frequency M	Easting 264962 ft	Northing 668992 ft	Purge Time 25 sec	Depth 440 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/12/2005 10:31 AM	1/12/2005 12:38 PM	4.11E+00	2.24E+00	2.69E+00	1.94E+00	2.64E+00	1.00E+03
2/8/2005 12:00 PM	2/9/2005 3:56 PM	1.78E+00	8.28E-01	4.30E-01	8.12E-01	5.72E-01	6.12E+03
3/7/2005 10:44 AM	3/8/2005 9:45 AM	3.37E+00	2.96E+00	6.48E+00	4.22E+00	6.32E+00	9.98E+03
4/5/2005 10:48 AM	4/6/2005 12:57 PM	2.53E+00	8.41E-01	7.12E-01	1.05E+00	1.22E+00	8.49E+03
5/10/2005 1:31 PM	5/11/2005 9:43 AM	2.94E+00	2.29E+00	5.96E+00	3.58E+00	3.94E+00	1.57E+04
6/1/2005 8:06 AM	6/1/2005 1:52 PM	1.47E+00	2.91E-01	1.75E-01	4.92E-01	1.32E-01	1.37E+04

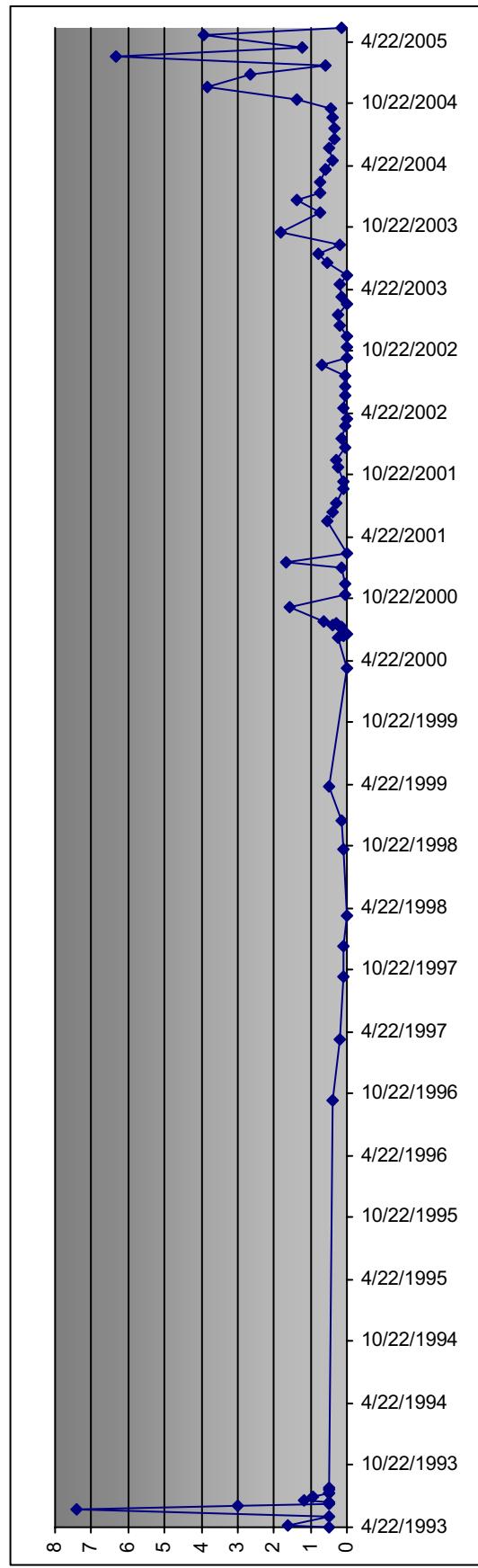


Figure F-121. Carbon Tetrachloride concentrations (ppmv) for Well Port M1S-2

Table F-122. Monitoring data for Well M1S-3 from January through June, 2005.

Well Port M1S-3	Inside Fence <input type="checkbox"/>	Frequency M	Easting 264962 ft	Northing 668992 ft	Purge Time 18 sec	Depth 319 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/12/2005 10:32 AM	1/12/2005 12:41 PM	4.00E+00	2.12E+00	2.40E+00	1.65E+00	2.08E+00	9.37E+02
2/8/2005 12:02 PM	2/9/2005 3:59 PM	2.01E+00	9.30E-01	4.73E-01	7.72E-01	4.30E-01	6.09E+03
3/7/2005 10:46 AM	3/8/2005 9:48 AM	3.09E+00	2.82E+00	5.94E+00	3.58E+00	5.64E+00	1.00E+04
4/5/2005 10:48 AM	4/6/2005 1:00 PM	2.51E+00	9.30E-01	5.70E-01	1.00E+00	1.03E+00	8.49E+03
5/10/2005 1:35 PM	5/11/2005 9:46 AM	3.08E+00	1.88E+00	5.30E+00	2.90E+00	3.39E+00	2.13E+04
6/1/2005 8:07 AM	6/1/2005 1:55 PM	1.55E+00	3.26E-01	1.76E-01	3.68E-01	1.00E-01	1.37E+04

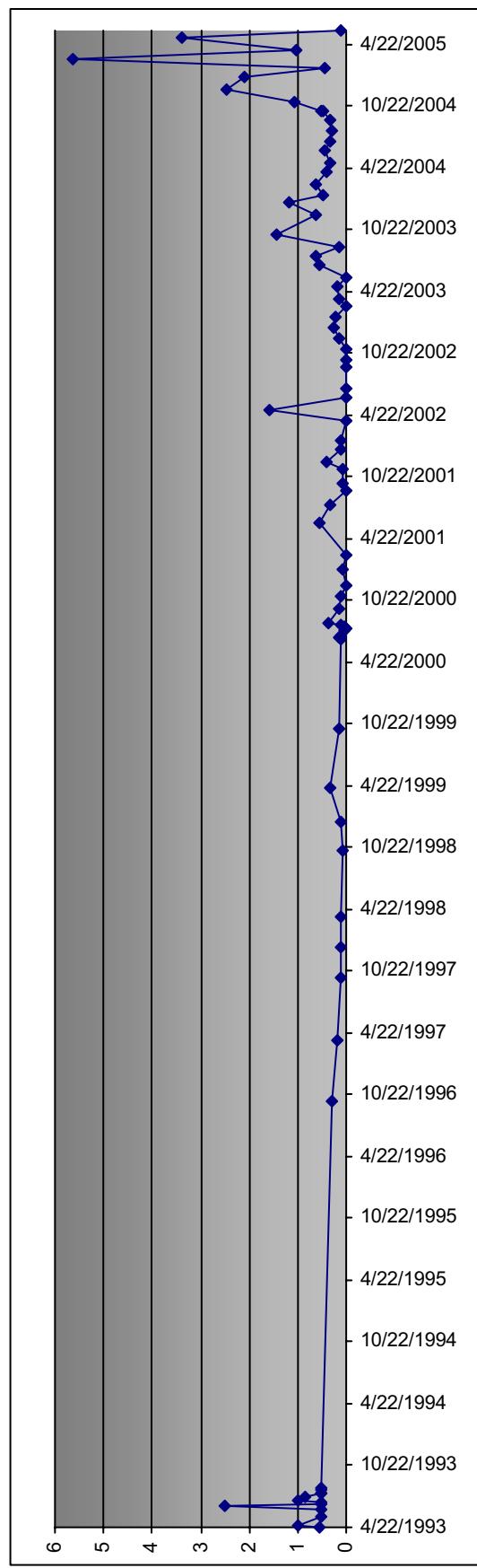


Figure F-122. Carbon Tetrachloride concentrations (ppmv) for Well Port M1S-3

Table F-123. Monitoring data for Well VVE1-1 from January through June, 2005.

Well Port VVE1-1	Inside Fence <input type="checkbox"/>	Frequency M	Easting 264965 ft	Northing 669010 ft	Purge Time 11 sec	Depth 189 ft
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Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/6/2005 11:22 AM	1/6/2005 3:30 PM	4.32E+00	1.43E+00	2.30E-01	8.24E-01	0.00E+00	1.92E+03
2/8/2005 12:04 PM	2/9/2005 4:02 PM	2.18E+00	1.02E+00	4.17E-01	1.01E+00	8.75E-01	6.09E+03
3/7/2005 10:33 AM	3/8/2005 9:27 AM	7.30E+00	6.71E+00	1.51E+01	1.06E+01	1.75E+01	9.98E+03
4/5/2005 10:55 AM	4/6/2005 12:42 PM	2.88E+00	1.03E+00	6.92E-01	1.12E+00	1.97E+00	8.48E+03
5/10/2005 1:27 PM	5/11/2005 9:49 AM	3.27E+00	2.14E+00	4.92E+00	3.16E+00	5.85E+00	1.92E+04
6/1/2005 8:24 AM	6/1/2005 1:08 PM	2.27E+00	7.03E-01	2.41E-01	8.49E-01	1.93E+00	1.38E+04

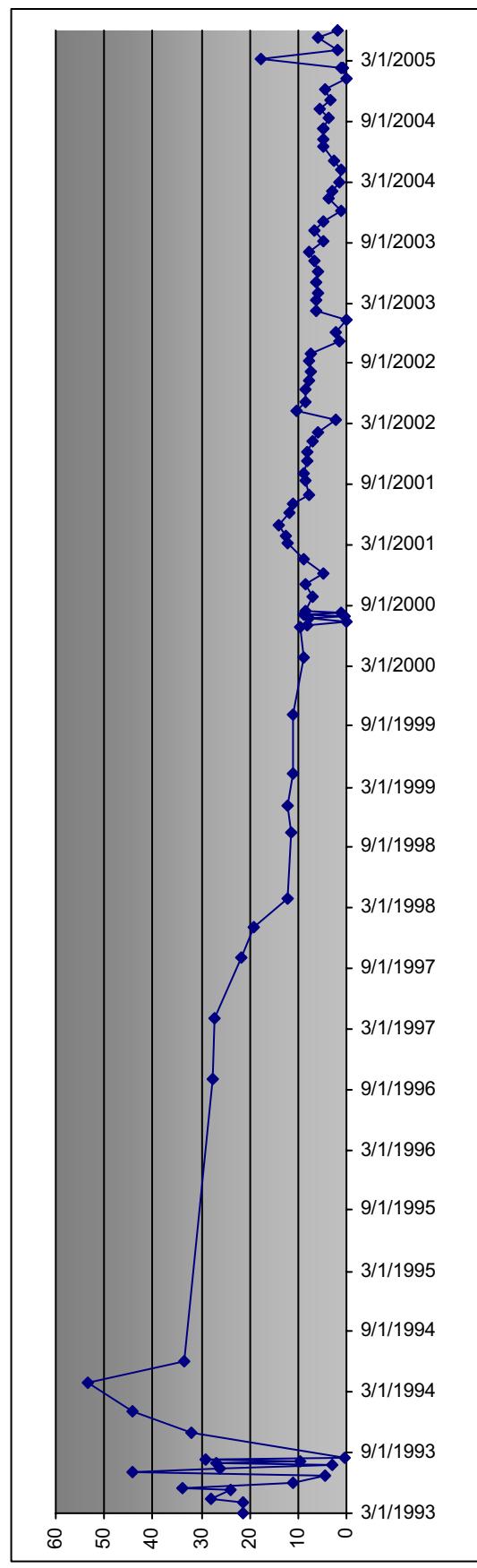


Figure F-123. Carbon Tetrachloride concentrations (ppmv) for Well Port VVE1-1

Table F-124. Monitoring data for Well VVE1-2 from January through June, 2005.

Well Port VVE1-2	Inside Fence <input type="checkbox"/>	Frequency M	Easting 264965 ft	Northing 669010 ft	Purge Time 7 sec	Depth 127 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/6/2005 11:24 AM	1/6/2005 3:33 PM	3.76E+00	1.39E+00	5.34E-01	6.60E-01	0.00E+00	1.70E+03
2/8/2005 12:06 PM	2/9/2005 4:11 PM	2.74E+00	1.31E+00	4.91E-01	1.43E+00	3.05E+00	6.16E+03
3/7/2005 10:35 AM	3/8/2005 9:30 AM	6.04E+00	5.33E+00	1.19E+01	8.40E+00	1.37E+01	1.00E+04
4/5/2005 10:56 AM	4/6/2005 12:45 PM	2.74E+00	1.01E+00	4.37E-01	1.24E+00	1.78E+00	8.47E+03
5/10/2005 1:28 PM	5/11/2005 9:52 AM	2.80E+00	2.16E+00	4.62E+00	3.16E+00	5.95E+00	1.53E+04
6/1/2005 8:09 AM	6/1/2005 1:14 PM	1.98E+00	6.75E-01	3.98E-01	9.15E-01	1.95E+00	1.38E+04

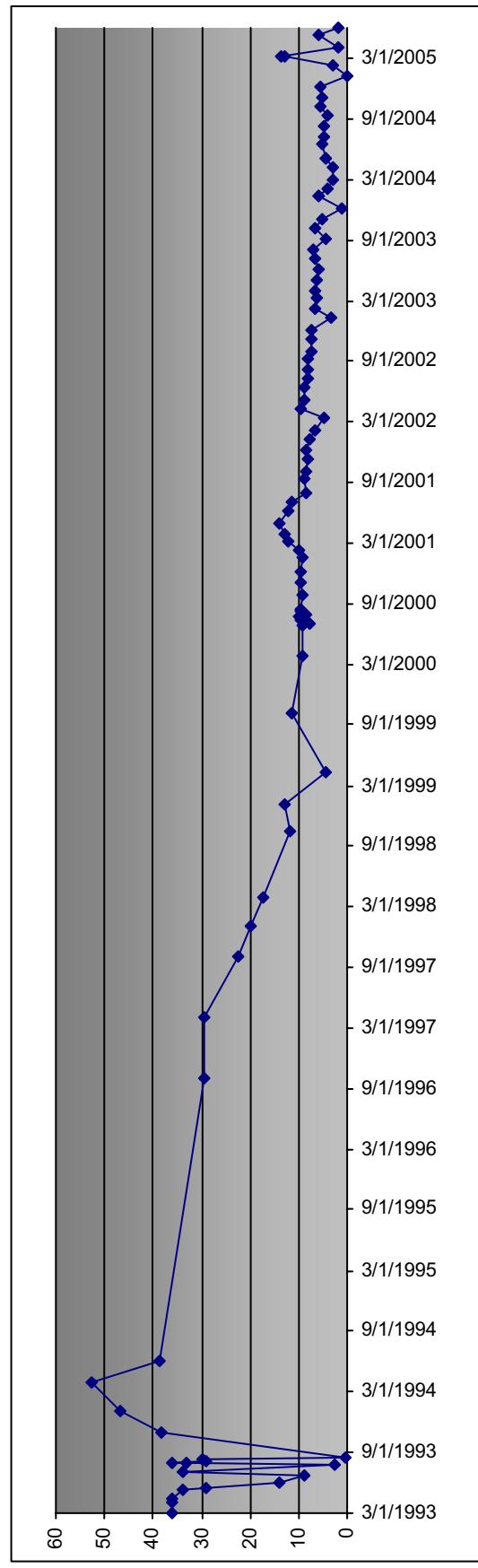


Figure F-124. Carbon Tetrachloride concentrations (ppmv) for Well Port VVE1-2

Table F-125. Monitoring data for Well VVE1-3 from January through June, 2005.

Well Port VVE1-3	Inside Fence <input type="checkbox"/>	Frequency M	Easting 264965 ft	Northing 669010 ft	Purge Time 4 sec	Depth 65 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/12/2005 10:24 AM	1/12/2005 1:14 PM	5.10E+00	2.48E+00	1.31E+00	1.84E+00	3.38E+00	1.32E+03
2/8/2005 12:08 PM	2/9/2005 4:14 PM	3.33E+00	1.51E+00	5.37E-01	1.91E+00	4.14E+00	6.21E+03
3/7/2005 10:38 AM	3/8/2005 9:36 AM	5.35E+00	4.44E+00	9.63E+00	6.52E+00	1.14E+01	1.00E+04
4/5/2005 10:56 AM	4/6/2005 12:48 PM	2.95E+00	1.07E+00	6.11E-01	1.28E+00	2.42E+00	8.47E+03
5/10/2005 1:30 PM	5/11/2005 9:55 AM	3.56E+00	2.24E+00	4.31E+00	3.22E+00	6.71E+00	1.55E+04
6/1/2005 8:10 AM	6/1/2005 1:17 PM	2.61E+00	8.17E-01	3.79E-01	1.15E+00	2.78E+00	1.38E+04

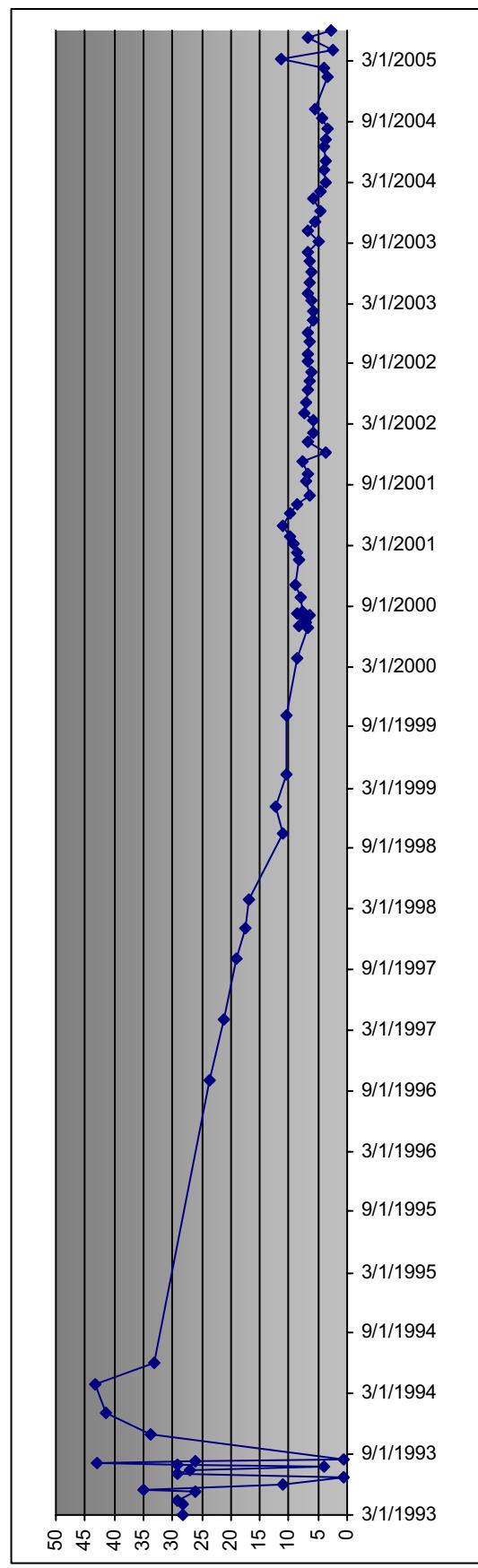


Figure F-125. Carbon Tetrachloride concentrations (ppmv) for Well Port VVE1-3

Table F-126. Monitoring data for Well M3S-1 from January through June, 2005.

Well Port M3S-1	Inside Fence □	Frequency M	Easting 268700 ft	Northing 670165 ft	Purge Time 32 sec	Depth 559 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/12/2005 9:40 AM	1/12/2005 12:52 PM	4.13E+00	2.97E+00	2.69E+00	1.99E+00	4.72E+00	9.60E+02
2/8/2005 11:10 AM	2/9/2005 4:17 PM	2.49E+00	1.24E+00	6.86E-01	1.16E+00	2.91E+00	6.09E+03
3/7/2005 11:51 AM	3/8/2005 10:03 AM	3.19E+00	2.41E+00	4.24E+00	2.58E+00	4.88E+00	1.01E+04
4/5/2005 10:08 AM	4/7/2005 1:36 PM	5.42E+00	4.38E+00	1.23E+01	7.58E+00	1.55E+01	8.60E+03
5/10/2005 1:53 PM	5/11/2005 9:58 AM	3.06E+00	1.82E+00	3.80E+00	2.40E+00	4.98E+00	1.84E+04
6/1/2005 9:10 AM	6/1/2005 1:32 PM	1.98E+00	5.79E-01	4.61E-01	5.62E-01	1.34E+00	1.38E+04

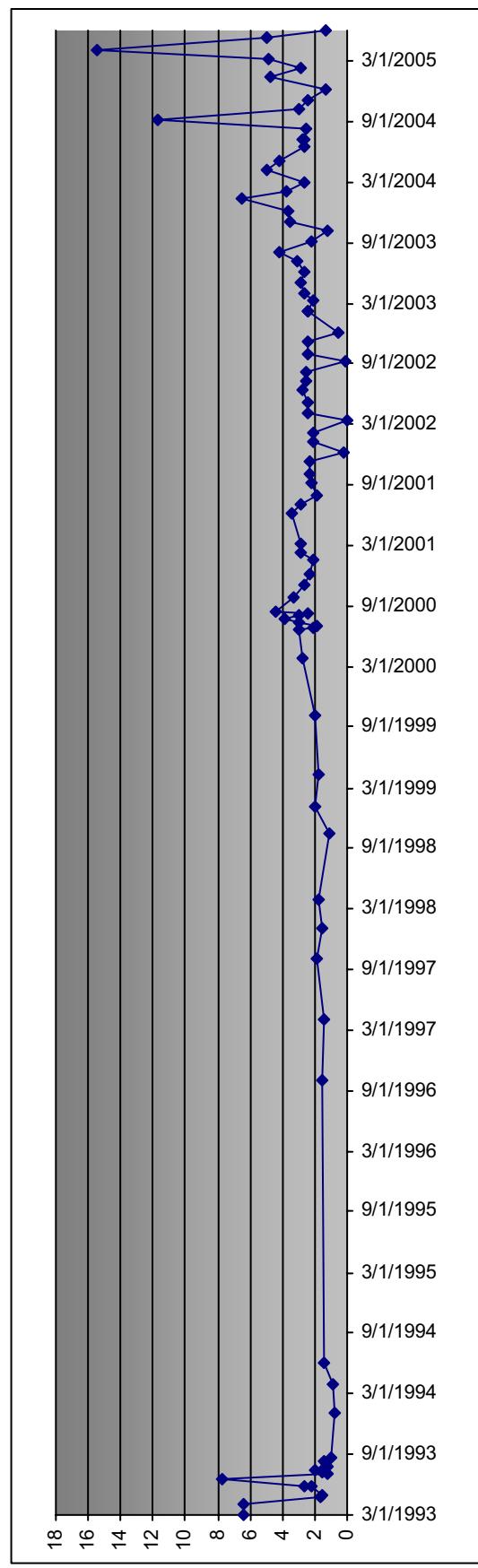


Figure F-126. Carbon Tetrachloride concentrations (ppmv) for Well Port M3S-1

Table F-127. Monitoring data for Well M3S-2 from January through June, 2005.

Well Port M3S-2	Inside Fence <input type="checkbox"/>	Frequency M	Easting 268700 ft	Northing 670165 ft	Purge Time 29 sec	Depth 505 ft
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Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/12/2005 9:41 AM	1/12/2005 1:02 PM	3.46E+00	1.68E+00	1.67E+00	1.05E+00	8.29E-01	9.84E+02
2/8/2005 11:16 AM	2/9/2005 4:20 PM	2.69E+00	1.42E+00	6.39E-01	1.59E+00	4.17E+00	6.12E+03
3/7/2005 11:52 AM	3/8/2005 10:06 AM	2.91E+00	2.34E+00	3.88E+00	2.30E+00	4.63E+00	1.01E+04
4/5/2005 10:09 AM	4/7/2005 1:39 PM	4.34E+00	3.02E+00	7.89E+00	5.01E+00	1.07E+01	8.64E+03
5/10/2005 1:55 PM	5/11/2005 10:04 AM	2.76E+00	1.88E+00	3.43E+00	2.38E+00	6.41E+00	1.64E+04
6/1/2005 9:11 AM	6/1/2005 1:35 PM	2.53E+00	8.35E-01	4.91E-01	1.15E+00	3.52E+00	1.40E+04

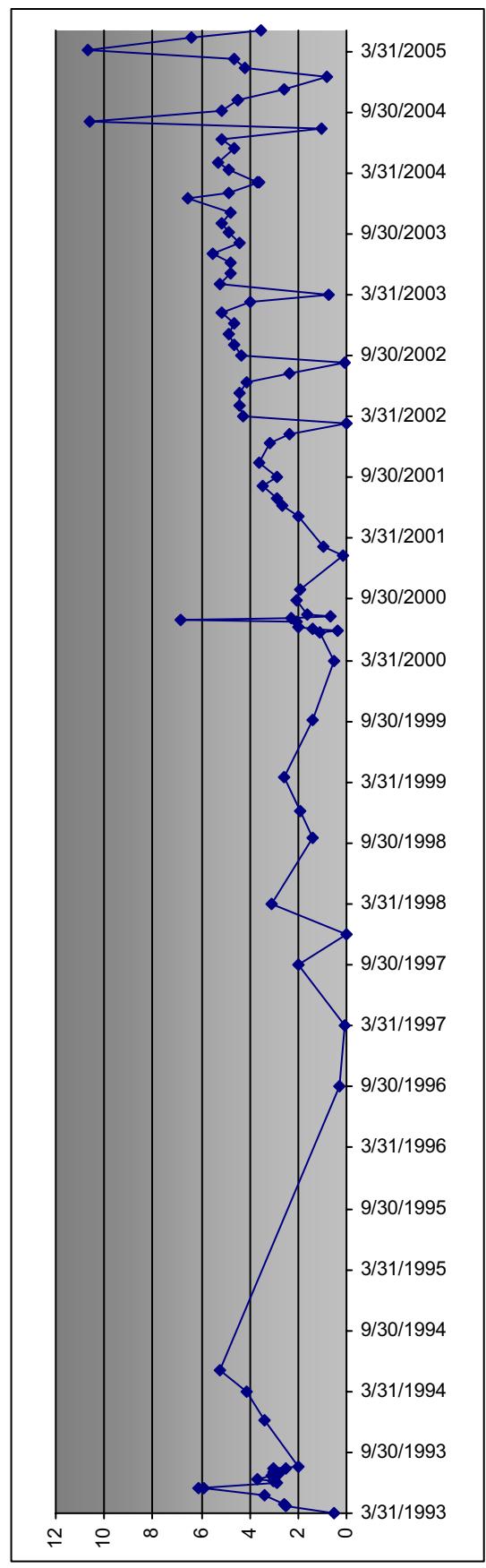


Figure F-127. Carbon Tetrachloride concentrations (ppmv) for Well Port M3S-2

Table F-128. Monitoring data for Well M3S-3 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
M3S-3	□	M	268700 ft	670165 ft	19 sec	335 ft
Sample Date and Time	Analysis Date and Time			CHCl ₃	TCA	PCE
3/7/2005 11:54 AM	3/8/2005 10:09 AM			2.54E+00	1.89E+00	3.33E+
4/5/2005 10:08 AM	4/6/2005 1:15 PM			2.53E+00	9.12E-01	3.14E-
6/1/2005 9:12 AM	6/1/2005 1:38 PM			1.72E+00	4.53E-01	2.65E-

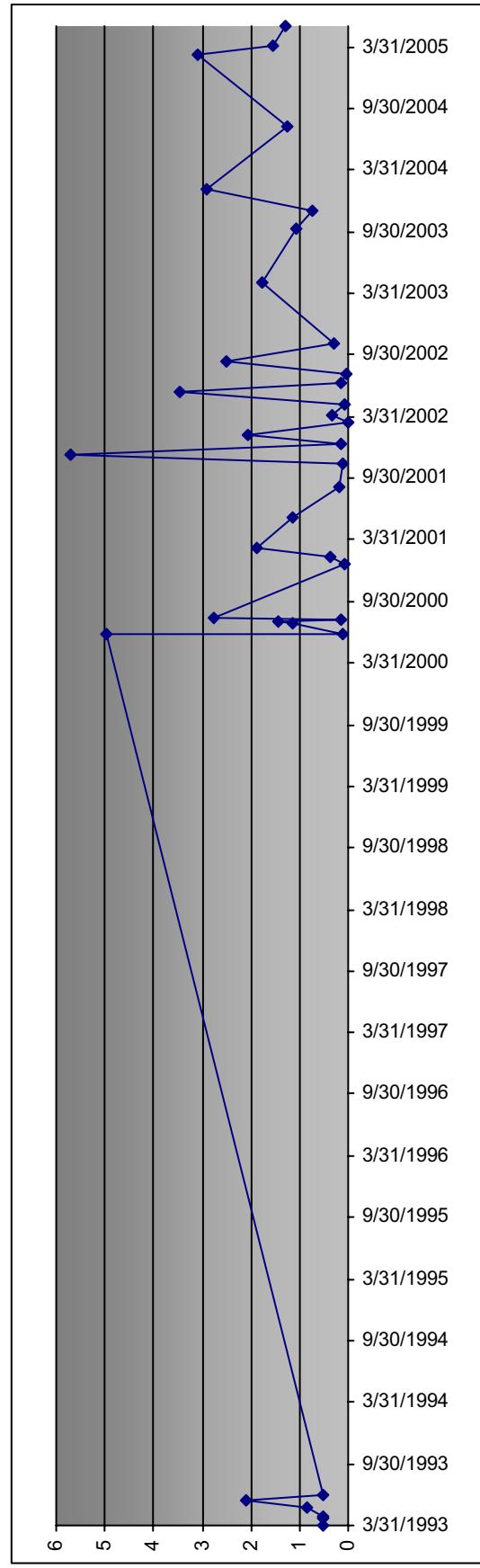


Figure F-128. Carbon Tetrachloride concentrations (ppmv) for Well Port M3S-3

Table F-129. Monitoring data for Well VVE3-1 from January through June, 2005.

Well Port VVE3-1	Inside Fence <input type="checkbox"/>	Frequency M	Easting 268677 ft	Northing 670163 ft	Purge Time 12 sec	Depth 200 ft
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Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/12/2005 9:50 AM	1/12/2005 12:44 PM	4.49E+00	2.37E+00	2.43E+00	1.63E+00	2.83E+00	1.02E+03
2/8/2005 11:16 AM	2/9/2005 4:23 PM	3.11E+00	1.44E+00	5.98E-01	1.54E+00	4.06E+00	6.11E+03
3/7/2005 11:34 AM	3/8/2005 9:51 AM	3.86E+00	3.23E+00	5.54E+00	3.76E+00	7.45E+00	1.01E+04
4/5/2005 10:11 AM	4/6/2005 1:03 PM	2.78E+00	1.11E+00	4.65E-01	1.40E+00	2.94E+00	8.54E+03
5/10/2005 1:43 PM	5/11/2005 10:07 AM	2.86E+00	1.90E+00	3.21E+00	2.64E+00	5.84E+00	1.51E+04

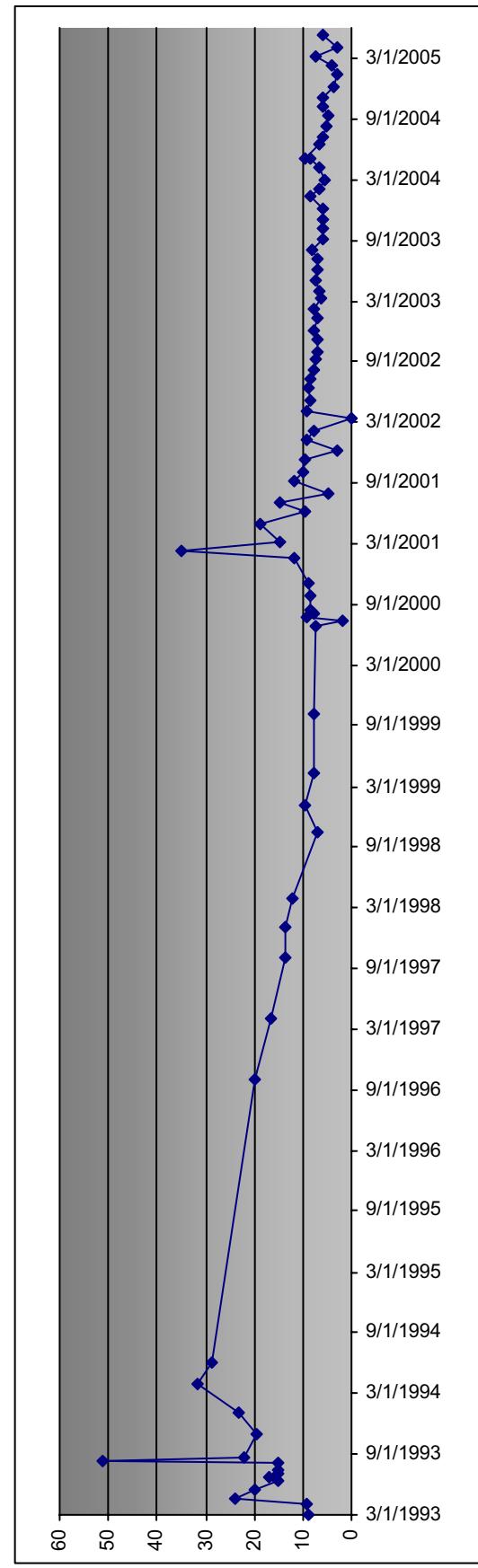


Figure F-129. Carbon Tetrachloride concentrations (ppmv) for Well Port VVE3-1

Table F-130. Monitoring data for Well VVE3-2 from January through June, 2005.

Well Port VVE3-2	Inside Fence <input type="checkbox"/>	Frequency M	Easting 268677 ft	Northing 670163 ft	Purge Time 9 sec	Depth 155 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/12/2005 9:51 AM	1/12/2005 12:47 PM	4.49E+00	2.26E+00	2.20E+00	1.71E+00	2.94E+00	1.10E+03
2/8/2005 11:18 AM	2/9/2005 4:26 PM	2.94E+00	1.40E+00	6.06E-01	1.85E+00	4.04E+00	6.10E+03
3/7/2005 11:36 AM	3/8/2005 9:54 AM	3.46E+00	2.77E+00	5.08E+00	3.03E+00	6.00E+00	1.01E+04
4/5/2005 10:12 AM	4/6/2005 1:06 PM	3.03E+00	9.86E-01	5.91E-01	1.43E+00	2.69E+00	8.50E+03
5/10/2005 1:46 PM	5/11/2005 10:10 AM	1.98E+00	1.24E+00	2.72E+00	1.66E+00	2.53E+00	1.50E+04
6/1/2005 9:14 AM	6/1/2005 12:23 PM	1.78E+00	4.27E-01	2.00E-01	7.68E-01	1.12E+00	1.46E+04

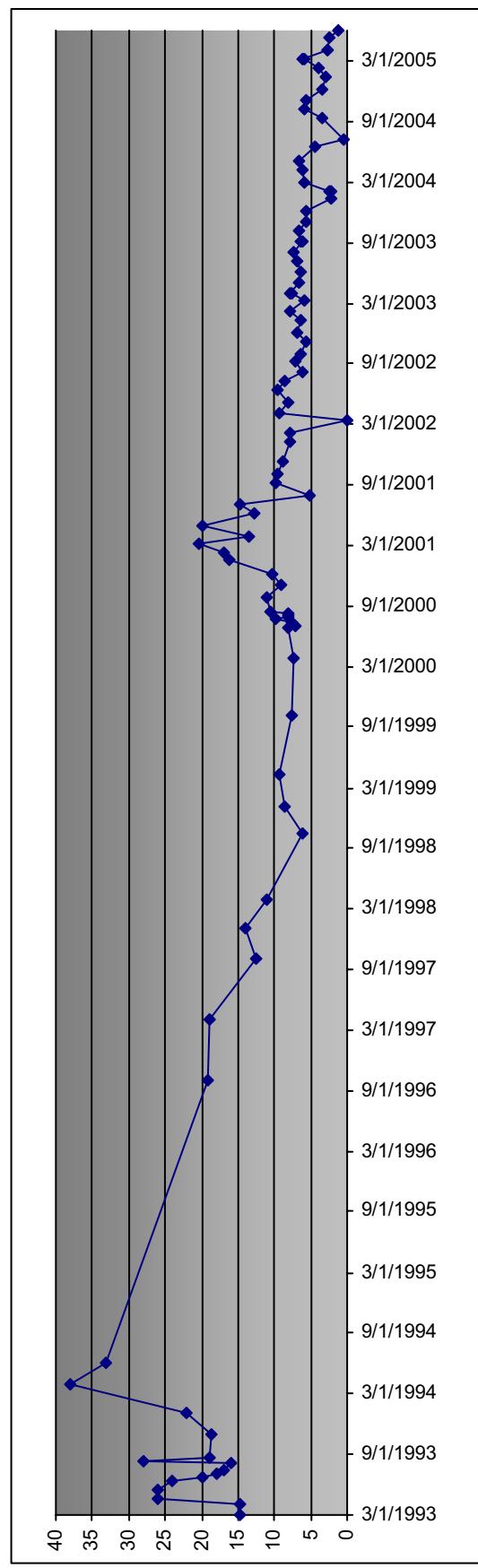


Figure F-130. Carbon Tetrachloride concentrations (ppmv) for Well Port VVE3-2

Table F-131. Monitoring data for Well VVE3-3 from January through June, 2005.

Well Port VVE3-3	Inside Fence <input type="checkbox"/>	Frequency M	Easting 268677 ft	Northing 670163 ft	Purge Time 5 sec	Depth 92 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/12/2005 9:52 AM	1/12/2005 12:52 PM	4.13E+00	2.97E+00	2.69E+00	1.99E+00	4.72E+00	9.60E+02
2/8/2005 11:18 AM	2/9/2005 4:29 PM	2.69E+00	1.18E+00	5.82E-01	1.76E+00	2.99E+00	6.09E+03
3/7/2005 11:42 AM	3/8/2005 10:00 AM	3.01E+00	2.50E+00	4.72E+00	2.70E+00	5.09E+00	1.01E+04
4/5/2005 10:13 AM	4/6/2005 1:12 PM	2.99E+00	1.03E+00	5.70E-01	1.36E+00	2.51E+00	8.48E+03
5/10/2005 1:48 PM	5/11/2005 10:13 AM	2.87E+00	1.44E+00	2.46E+00	1.82E+00	3.88E+00	1.96E+04
6/1/2005 9:15 AM	6/1/2005 12:32 PM	1.90E+00	5.96E-01	3.43E-01	1.02E+00	1.67E+00	1.44E+04

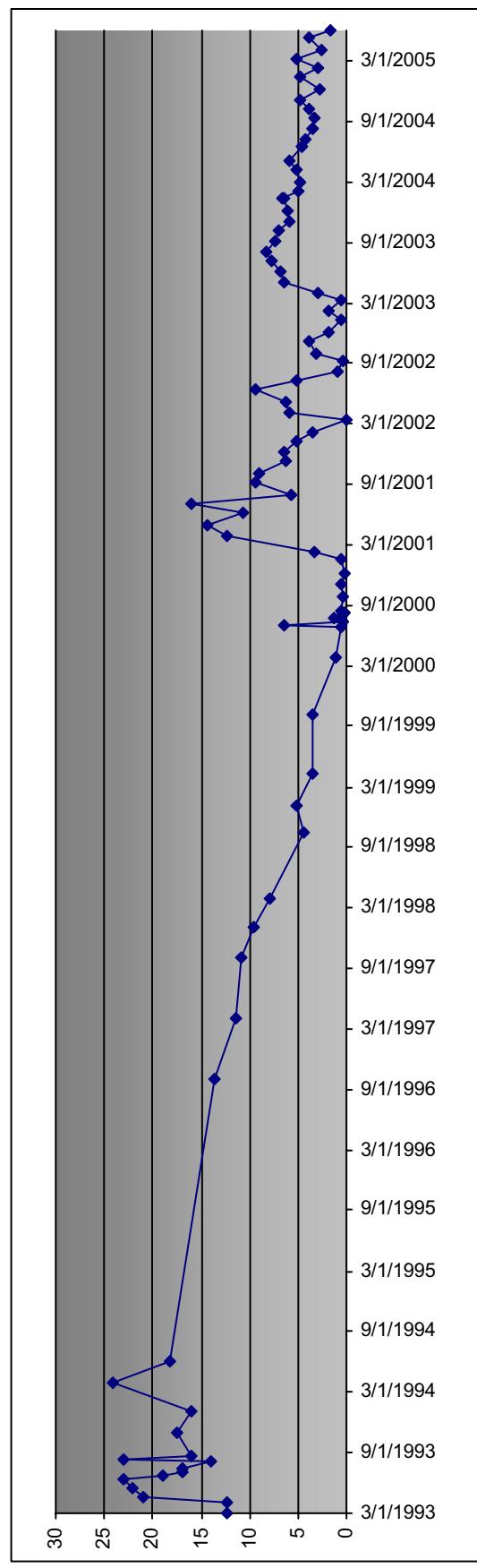


Figure F-131. Carbon Tetrachloride concentrations (ppmv) for Well Port VVE3-3

Table F-132. Monitoring data for Well M4D-1 from January through June, 2005.

Well Port M4D-1	Inside Fence <input type="checkbox"/>	Frequency M	Easting 265510 ft	Northing 667255 ft	Purge Time 32 sec	Depth 559 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/6/2005 10:58 AM	1/6/2005 4:27 PM	3.40E+00	1.41E+00	3.20E-01	6.74E-01	0.00E+00	1.22E+03
2/8/2005 12:16 PM	2/9/2005 4:32 PM	2.09E+00	8.43E-01	3.57E-01	1.02E+00	9.27E-01	6.14E+03
3/7/2005 10:03 AM	3/8/2005 10:18 AM	2.04E+00	1.56E+00	2.67E+00	1.53E+00	2.62E+00	1.00E+04
4/5/2005 11:04 AM	4/6/2005 12:33 PM	2.80E+00	9.68E-01	5.67E-01	1.23E+00	2.20E+00	8.52E+03
5/10/2005 11:44 AM	5/11/2005 10:16 AM	1.75E+00	1.05E+00	2.15E+00	1.44E+00	2.25E+00	1.55E+04
5/31/2005 3:41 PM	6/1/2005 12:00 AM	1.66E+00	9.12E-01	2.95E+00	1.37E+00	1.32E+00	1.52E+04

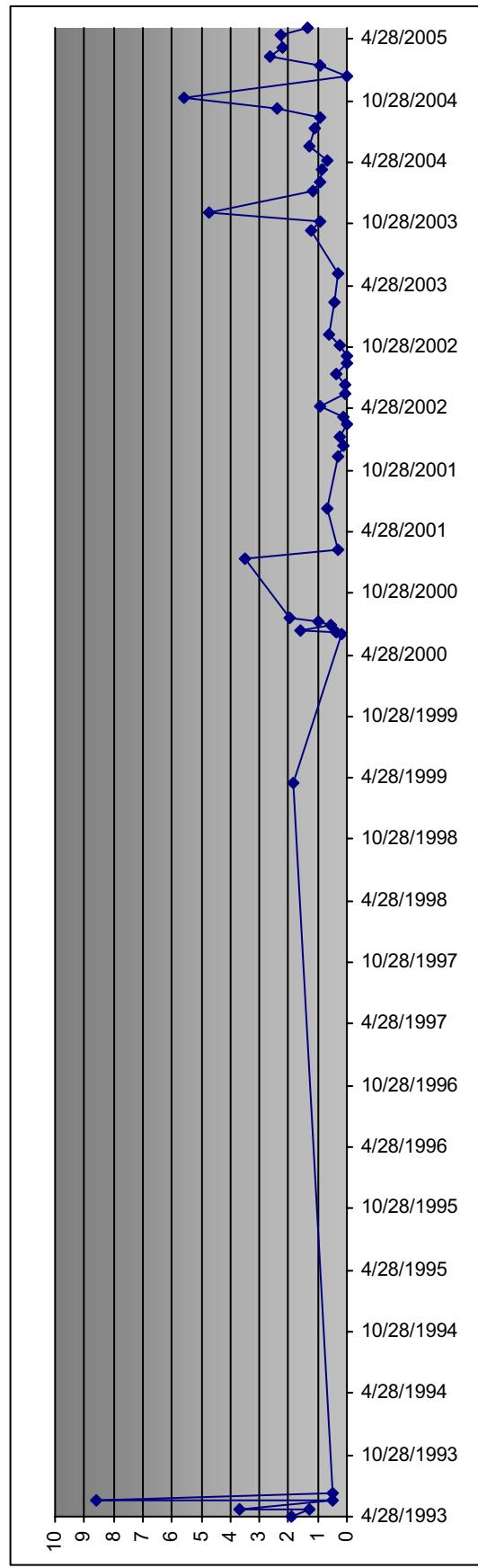


Figure F-132. Carbon Tetrachloride concentrations (ppmv) for Well Port M4D-1

Table F-133. Monitoring data for Well M4D-2 from January through June, 2005.

Well Port M4D-2	Inside Fence <input type="checkbox"/>	Frequency M	Easting 265510 ft	Northing 667255 ft	Purge Time 26 sec	Depth 455 ft
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Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/6/2005 11:01 AM	1/6/2005 4:36 PM	3.59E+00	1.44E+00	3.70E-01	7.63E-01	0.00E+00	1.28E+03
2/8/2005 12:18 PM	2/9/2005 4:35 PM	2.23E+00	9.43E-01	4.14E-01	9.05E-01	1.70E+00	6.08E+03
3/7/2005 10:08 AM	3/8/2005 10:21 AM	2.21E+00	1.51E+00	2.48E+00	1.44E+00	2.62E+00	9.99E+03
4/5/2005 11:05 AM	4/6/2005 12:36 PM	2.70E+00	9.27E-01	6.88E-01	1.21E+00	2.08E+00	8.48E+03
5/10/2005 11:46 AM	5/11/2005 10:19 AM	2.19E+00	1.06E+00	2.14E+00	1.22E+00	2.71E+00	1.55E+04
5/31/2005 3:42 PM	6/1/2005 12:00 AM	1.75E+00	8.70E-01	2.34E+00	1.20E+00	1.65E+00	1.52E+04

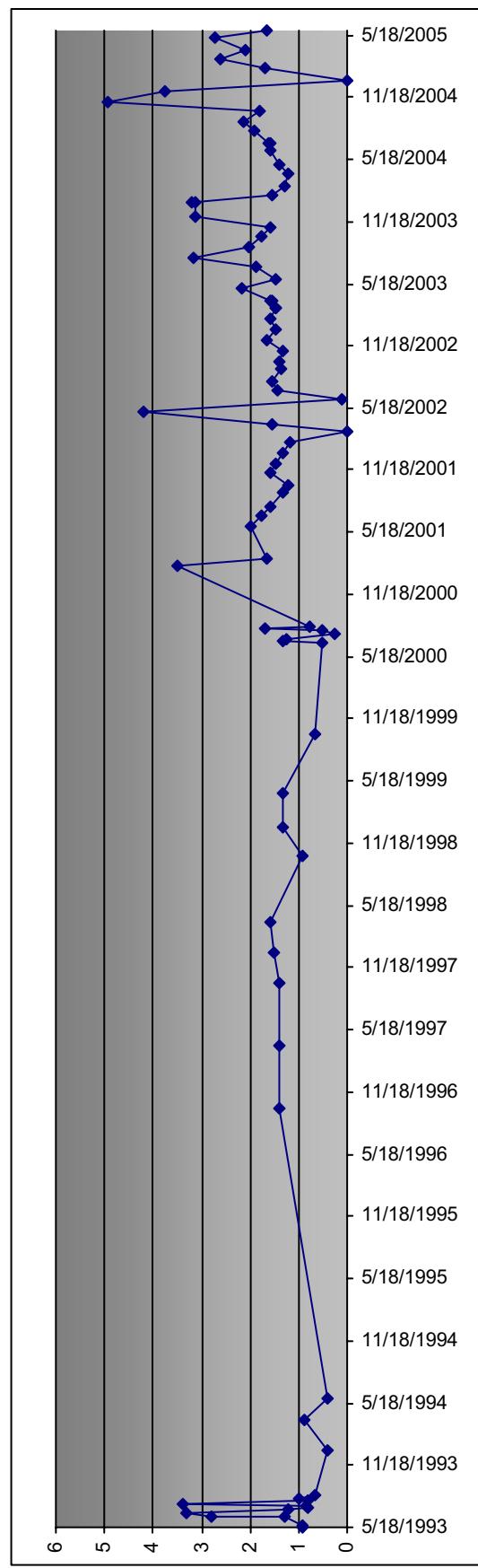


Figure F-133. Carbon Tetrachloride concentrations (ppmv) for Well Port M4D-2

Table F-134. Monitoring data for Well M4D-3 from January through June, 2005.

Well Port M4D-3	Inside Fence □	Frequency M	Easting 265510 ft	Northing 667255 ft	Purge Time 21 sec	Depth 360 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/6/2005 11:09 AM	1/6/2005 4:30 PM	3.28E+00	1.40E+00	4.59E-01	7.01E-01	0.00E+00	1.14E+03
2/8/2005 12:18 PM	2/9/2005 4:38 PM	2.50E+00	1.10E+00	5.16E-01	1.12E+00	3.55E+00	6.05E+03
3/7/2005 10:11 AM	3/8/2005 10:24 AM	2.41E+00	1.53E+00	2.23E+00	1.45E+00	3.29E+00	1.00E+04
4/5/2005 11:06 AM	4/6/2005 12:39 PM	2.83E+00	1.10E+00	6.62E-01	1.31E+00	3.46E+00	8.45E+03
5/10/2005 11:47 AM	5/11/2005 10:22 AM	2.08E+00	1.19E+00	2.10E+00	1.37E+00	4.46E+00	1.50E+04
5/31/2005 3:43 PM	6/1/2005 12:00 AM	1.80E+00	9.85E-01	2.52E+00	1.36E+00	2.63E+00	1.52E+04

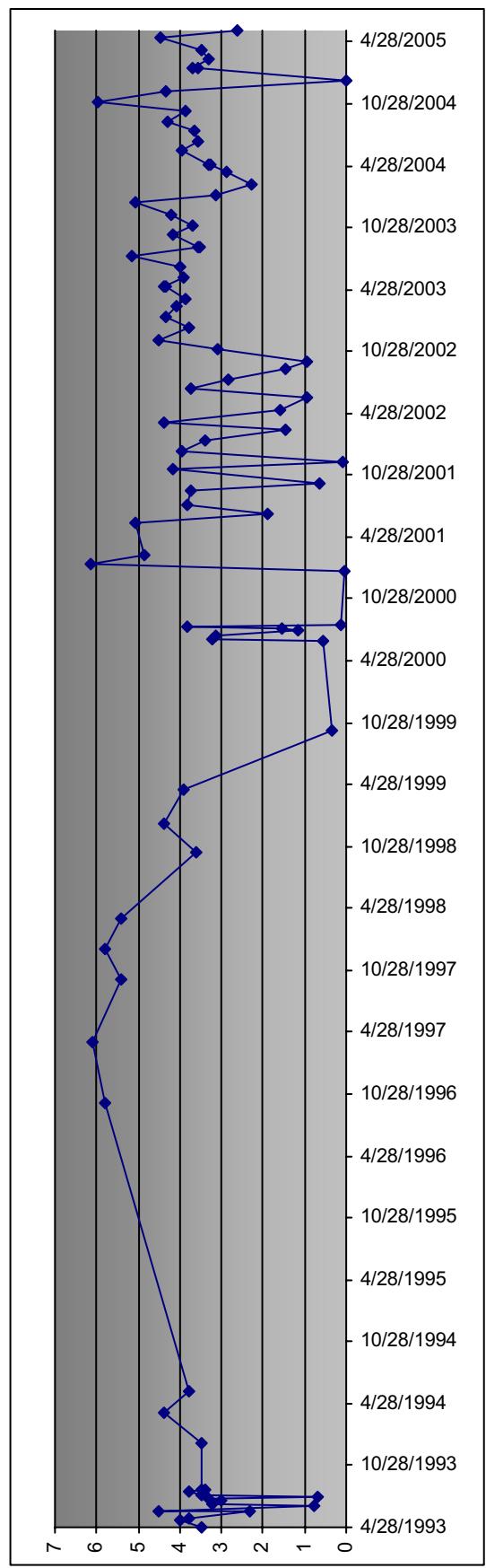


Figure F-134. Carbon Tetrachloride concentrations (ppmv) for Well Port M4D-3

Table F-135. Monitoring data for Well VVE4-1 from January through June, 2005.

Well Port VVE4-1	Inside Fence <input type="checkbox"/>	Frequency M	Easting 265487 ft	Northing 667254 ft	Purge Time 13 sec	Depth 235 ft
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Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/6/2005 10:44 AM	1/6/2005 4:09 PM	3.60E+00	1.47E+00	3.81E-01	7.28E-01	0.00E+00	1.24E+03
2/8/2005 12:24 PM	2/10/2005 11:29 AM	4.77E+00	3.99E+00	1.25E+01	6.94E+00	1.27E+01	4.71E+03
4/5/2005 11:19 AM	4/6/2005 12:21 PM	2.31E+00	9.13E-01	5.90E-01	1.08E+00	1.97E+00	8.66E+03
5/10/2005 1:16 PM	5/11/2005 10:25 AM	1.90E+00	1.02E+00	1.89E+00	1.14E+00	2.00E+00	1.50E+04
5/31/2005 3:38 PM	6/2/2005 9:47 AM	1.79E+01	1.55E+01	3.28E+01	2.67E+01	1.77E+01	2.20E+04

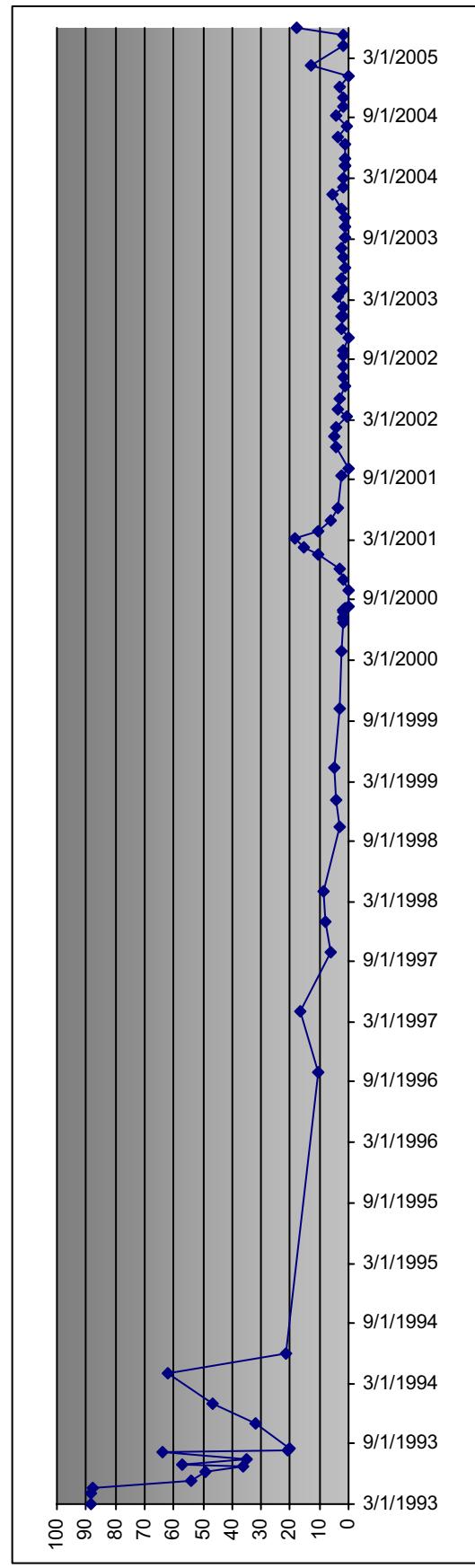


Figure F-135. Carbon Tetrachloride concentrations (ppmv) for Well Port VVE4-1

Table F-136. Monitoring data for Well VVE4-2 from January through June, 2005.

Well Port VVE4-2	Inside Fence <input type="checkbox"/>	Frequency M	Easting 265487 ft	Northing 667254 ft	Purge Time 8 sec	Depth 150 ft
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Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/6/2005 10:50 AM	1/6/2005 4:12 PM	3.78E+00	1.53E+00	4.37E-01	8.41E-01	2.56E-02	1.24E+03
2/8/2005 12:24 PM	2/10/2005 11:32 AM	4.55E+00	3.89E+00	1.11E+01	6.25E+00	1.02E+01	4.45E+03
3/7/2005 9:56 AM	3/8/2005 10:12 AM	2.31E+00	1.80E+00	3.31E+00	2.04E+00	3.44E+00	1.01E+04
4/5/2005 11:20 AM	4/6/2005 12:24 PM	2.58E+00	1.00E+00	8.40E-01	1.22E+00	2.53E+00	8.48E+03
5/10/2005 1:17 PM	5/11/2005 10:28 AM	2.09E+00	9.79E-01	1.67E+00	1.10E+00	2.73E+00	1.49E+04
5/31/2005 3:39 PM	6/1/2005 12:00 AM	1.86E+00	1.39E+00	4.25E+00	2.07E+00	2.37E+00	1.53E+04

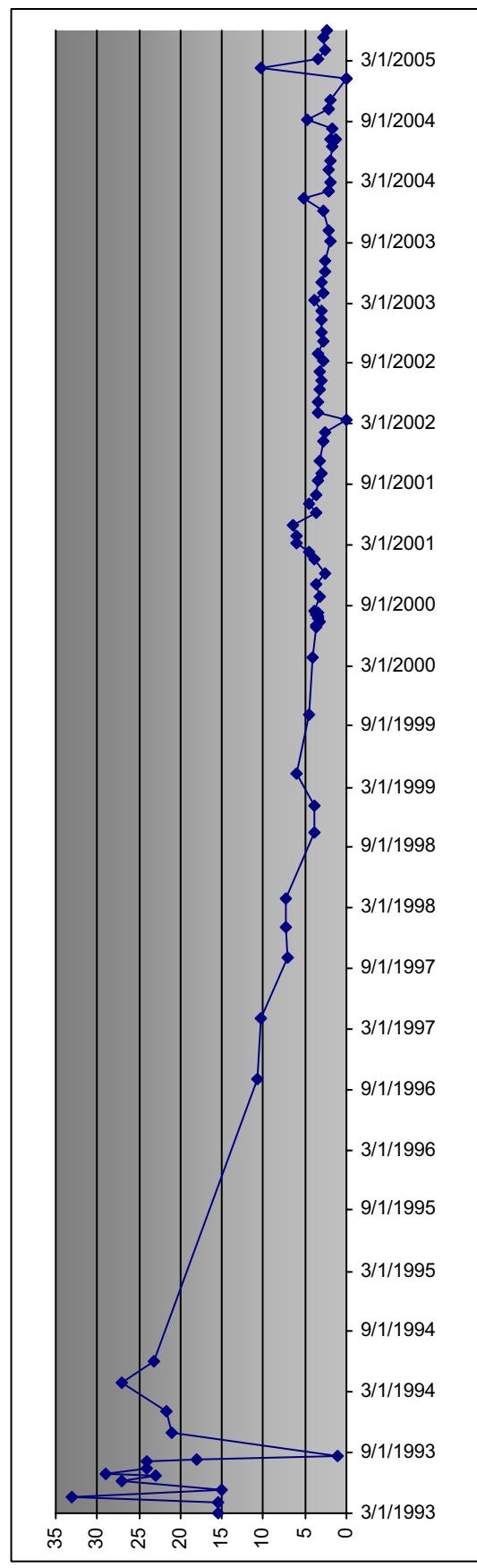


Figure F-136. Carbon Tetrachloride concentrations (ppmv) for Well Port VVE4-2

Table F-137. Monitoring data for Well VVE4-3 from January through June, 2005.

Well Port VVE4-3	Inside Fence <input type="checkbox"/>	Frequency M	Easting 265487 ft	Northing 667254 ft	Purge Time 4 sec	Depth 80 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/6/2005 10:54 AM	1/6/2005 4:25 PM	3.58E+00	1.37E+00	3.26E-01	7.22E-01	0.00E+00	1.22E+03
2/8/2005 12:26 PM	2/10/2005 11:35 AM	3.81E+00	3.16E+00	9.64E+00	5.20E+00	8.15E+00	4.33E+03
3/7/2005 10:01 AM	3/8/2005 10:15 AM	2.43E+00	1.67E+00	3.05E+00	1.75E+00	2.99E+00	1.00E+04
4/5/2005 11:21 AM	4/6/2005 12:30 PM	2.30E+00	8.14E-01	6.38E-01	1.04E+00	1.24E+00	8.44E+03
5/10/2005 1:19 PM	5/11/2005 10:31 AM	1.92E+00	6.75E-01	1.37E+00	9.36E-01	1.39E+00	1.60E+04
5/31/2005 3:40 PM	6/1/2005 12:00 AM	1.55E+00	1.39E+00	4.25E+00	2.07E+00	2.37E+00	1.53E+04

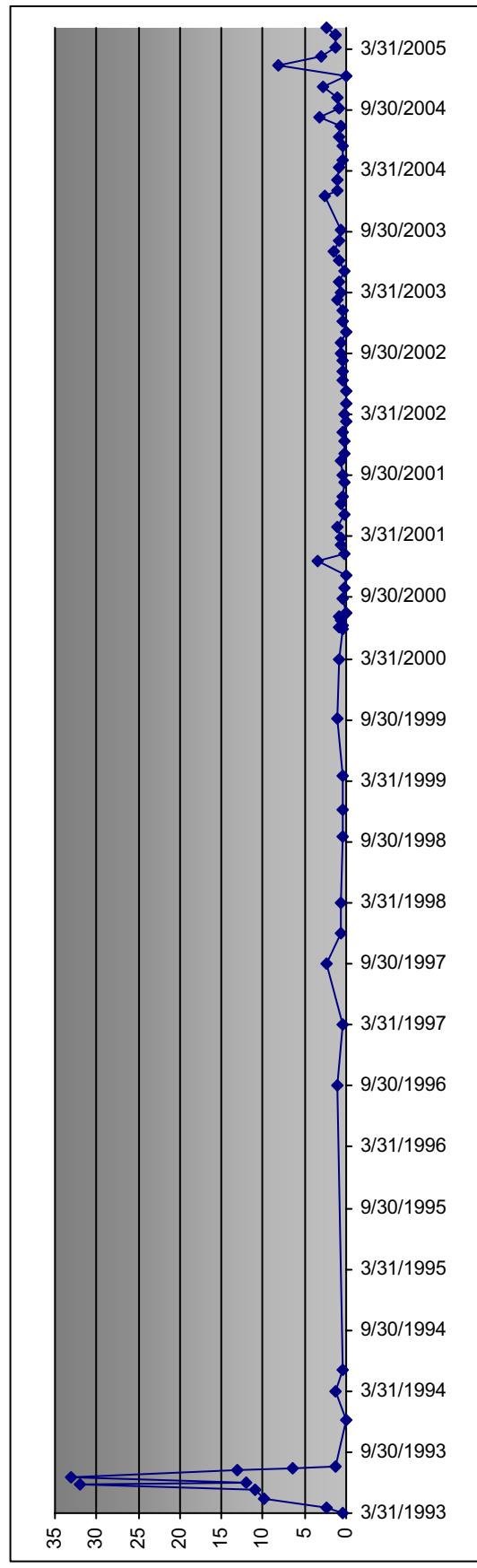


Figure F-137. Carbon Tetrachloride concentrations (ppmv) for Well Port VVE4-3

Table F-138. Monitoring data for Well M6S-1 from January through June, 2005.

Well Port M6S-1	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 270722 ft	Northing 666379 ft	Purge Time 34 sec	Depth 588 ft
3/7/2005	8:28 AM	3/8/2005	10:39 AM	2.24E+00	1.64E+00	1.17E+00
5/31/2005	2:37 PM	6/1/2005	12:00 AM	1.90E+00	5.74E-01	5.98E-01

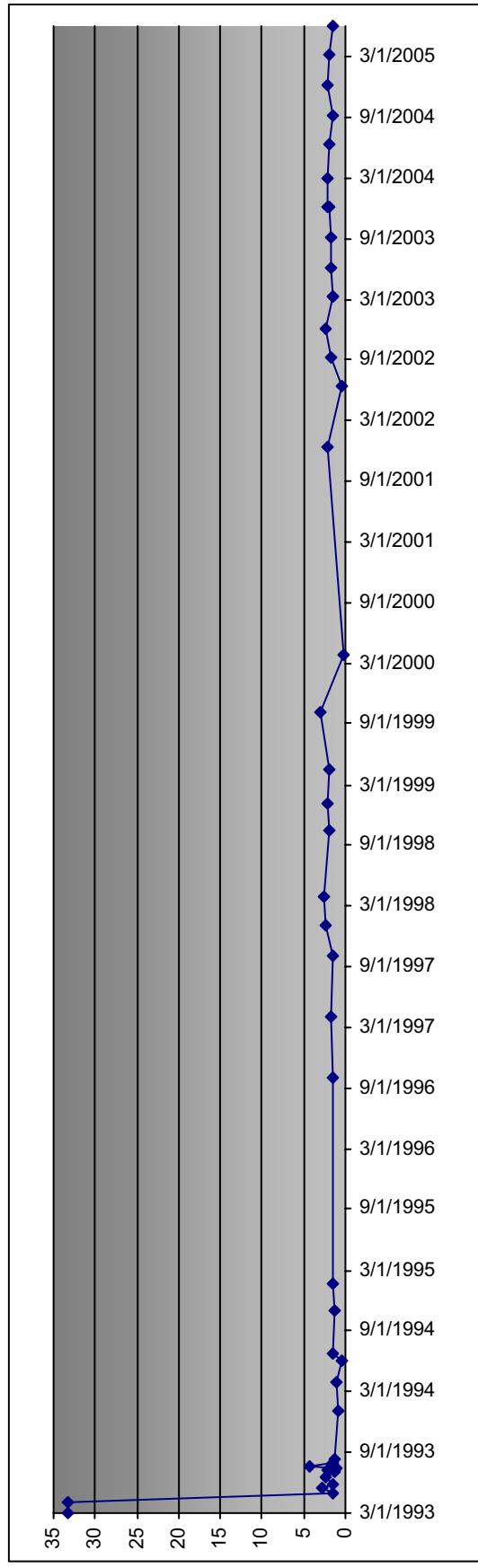


Figure F-138. Carbon Tetrachloride concentrations (ppmv) for Well Port M6S-1

Table F-139. Monitoring data for Well M6S-2 from January through June, 2005.

Well Port M6S-2	Inside Fence □	Frequency Q	Easting 270722 ft	Northing 666379 ft	Purge Time 28 sec	Depth 490 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005 8:30 AM	3/8/2005 10:42 AM	2.31E+00	1.13E+00	1.12E+00	2.19E+00	1.02E+04	
5/31/2005 2:38 PM	6/1/2005 11:05 AM	1.66E+00	5.71E-01	4.96E-01	6.61E-01	1.42E+00	1.46E+04

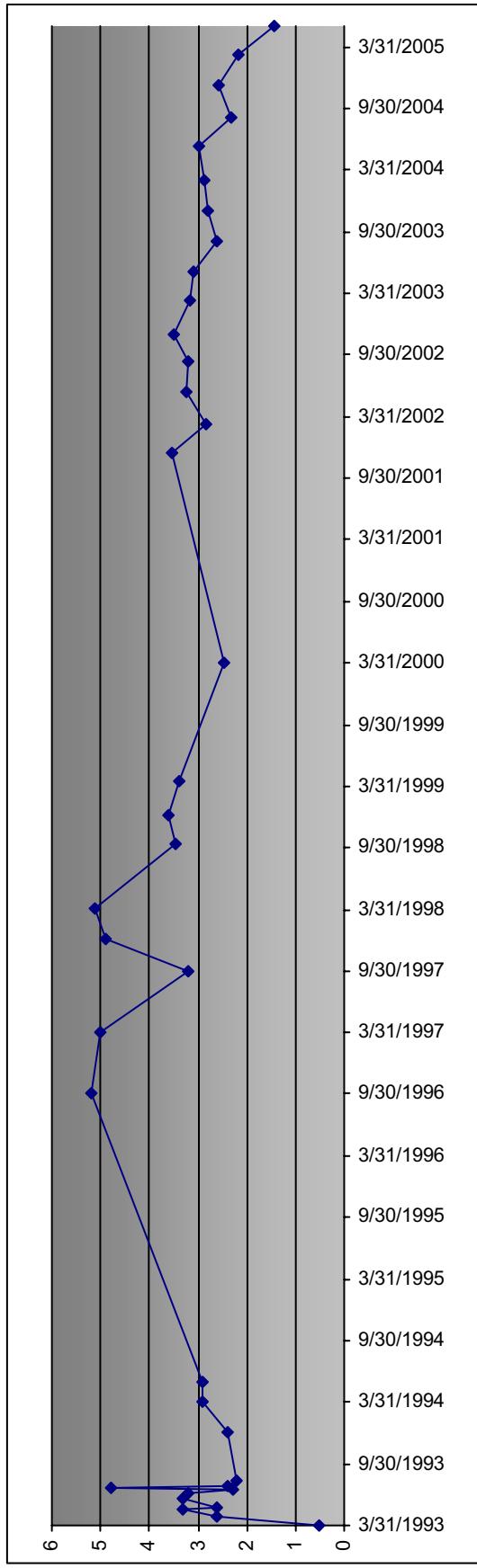


Figure F-139. Carbon Tetrachloride concentrations (ppmv) for Well Port M6S-2

Table F-140. Monitoring data for Well M6S-3 from January through June, 2005.

Well Port M6S-3	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 270722 ft	Northing 666379 ft	Purge Time 21 sec	Depth 366 ft
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Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005 8:32 AM	3/8/2005 10:45 AM	2.30E+00	1.52E+00	1.00E+00	2.22E+00	1.02E+04	
5/31/2005 2:39 PM	6/1/2005 11:08 AM	1.90E+00	5.17E-01	4.98E-01	6.42E-01	1.37E+00	1.46E+04

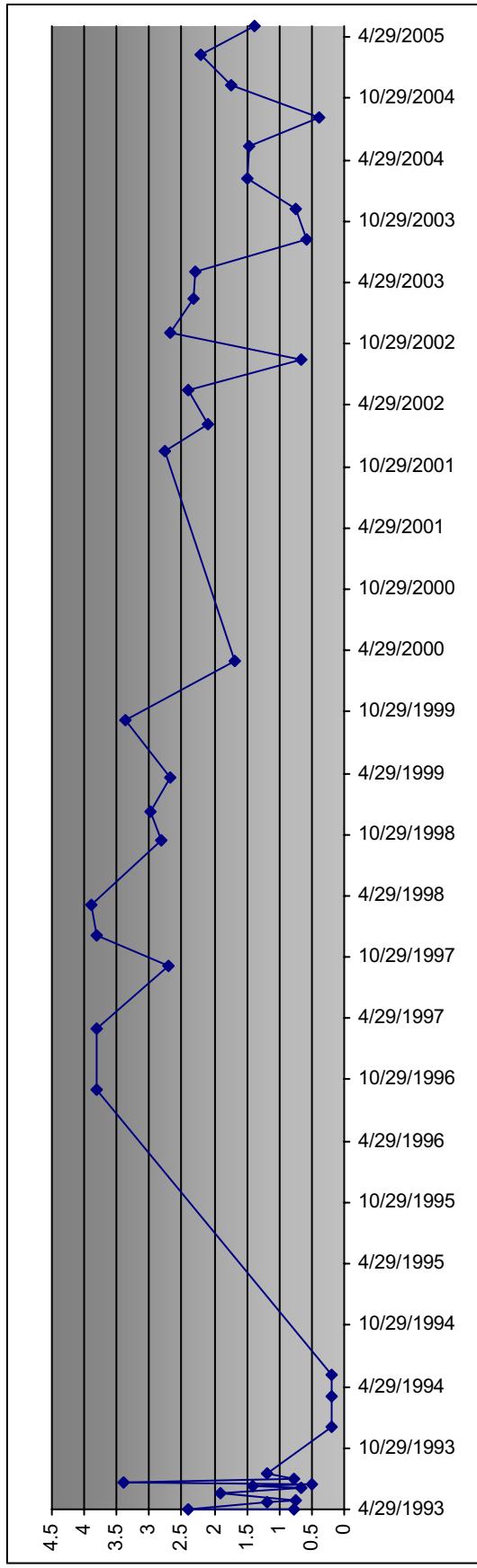


Figure F-140. Carbon Tetrachloride concentrations (ppmv) for Well Port M6S-3

Table F-141. Monitoring data for Well VVE6-1 from January through June, 2005.

Well Port VVE6-1	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 270684 ft	Northing 666368 ft	Purge Time 19 sec	Depth 320 ft
3/7/2005	8:36 AM	3/8/2005	10:27 AM	2.20E+00	1.54E+00	1.36E+00
5/31/2005	2:40 PM	6/1/2005	12:00 AM	1.77E+00	7.29E-01	1.21E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005	8:36 AM	3/8/2005	10:27 AM	2.20E+00	1.54E+00	1.36E+00	2.78E+00
5/31/2005	2:40 PM	6/1/2005	12:00 AM	1.77E+00	7.29E-01	1.21E+00	1.51E+00

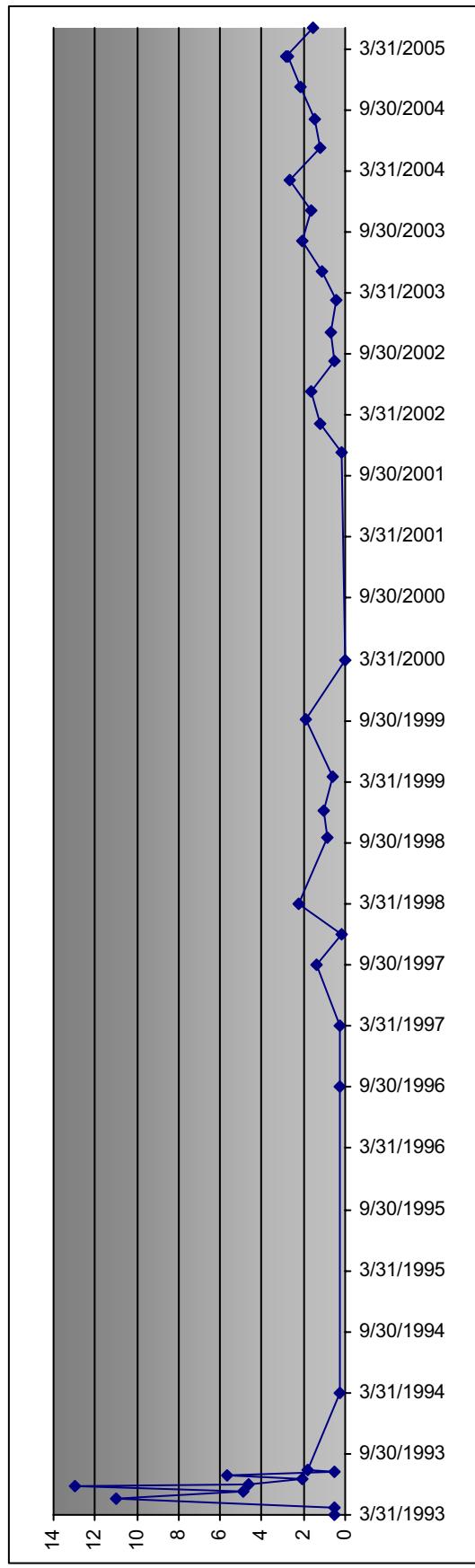


Figure F-141. Carbon Tetrachloride concentrations (ppmv) for Well Port VVE6-1

Table F-142. Monitoring data for Well VVE6-2 from January through June, 2005.

Well Port VVE6-2	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 270684 ft	Northing 666368 ft	Purge Time 11 sec	Depth 187 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005 8:37 AM	3/8/2005 10:33 AM	2.24E+00	1.52E+00	2.05E+00	1.26E+00	2.69E+00	1.02E+04
5/31/2005 2:41 PM	6/1/2005 12:00 AM	1.77E+00	7.21E-01	1.15E+00	8.38E-01	1.70E+00	1.51E+04

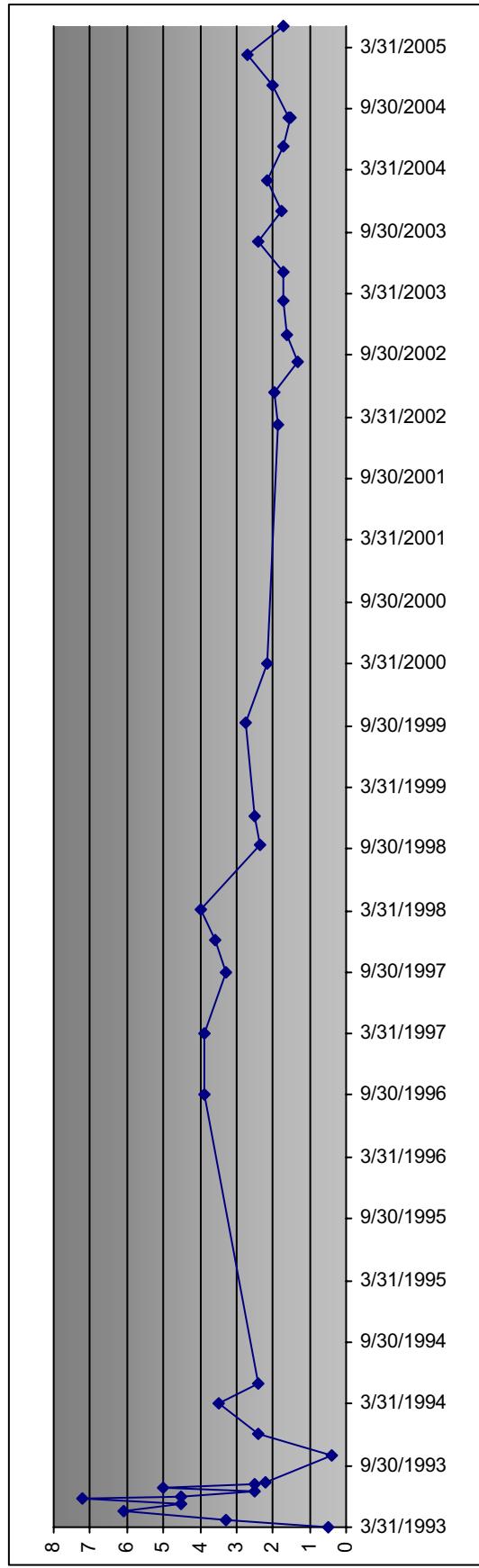


Figure F-142. Carbon Tetrachloride concentrations (ppmv) for Well Port VVE6-2

Table F-143. Monitoring data for Well VVE6-3 from January through June, 2005.

Well Port VVE6-3	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 270684 ft	Northing 666368 ft	Purge Time 6 sec	Depth 108 ft
3/7/2005	8:39 AM	3/8/2005	10:36 AM	2.15E+00	1.79E+00	1.16E+00
5/31/2005	2:42 PM	6/1/2005	12:00 AM	1.54E+00	6.80E-01	9.73E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005	8:39 AM	3/8/2005	10:36 AM	2.15E+00	1.79E+00	1.16E+00	2.36E+00
5/31/2005	2:42 PM	6/1/2005	12:00 AM	1.54E+00	6.80E-01	9.73E-01	1.37E+00

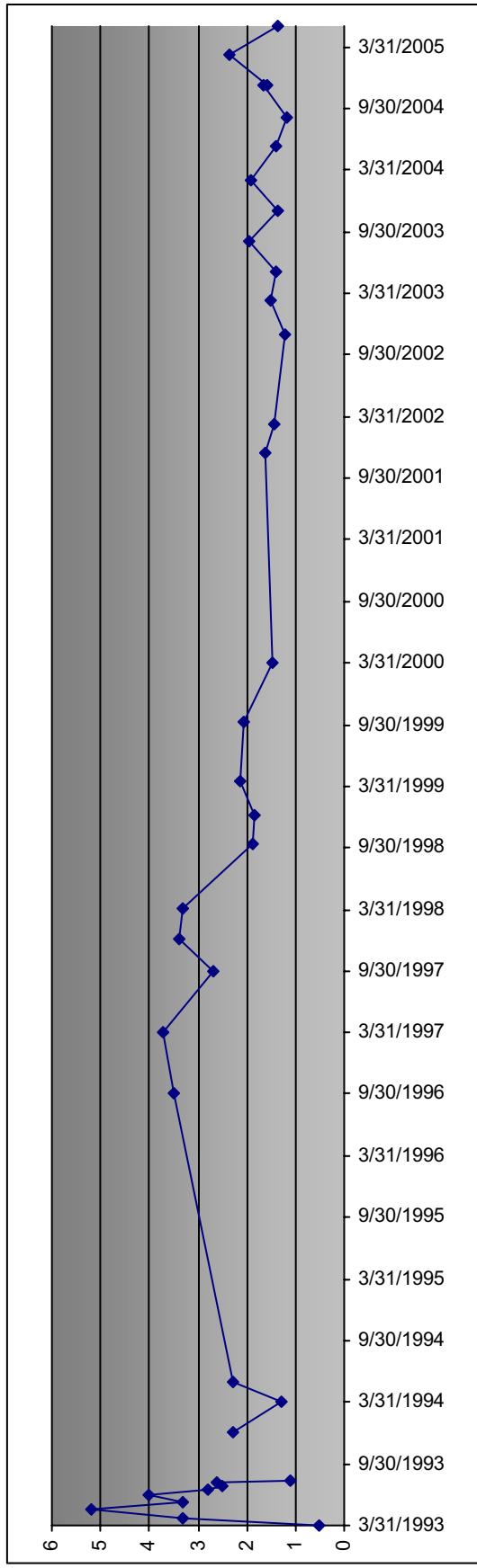


Figure F-143. Carbon Tetrachloride concentrations (ppmv) for Well Port VVE6-3

Table F-144. Monitoring data for Well M7S-1 from January through June, 2005.

Well Port M7S-1	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 270921 ft	Northing 671588 ft	Purge Time 32 sec	Depth 547 ft
3/7/2005	3:58 PM	3/8/2005	10:57 AM	1.13E+01	2.08E+00	1.10E+00
5/31/2005	1:23 PM	6/1/2005	12:00 AM	1.39E+01	1.94E+00	8.92E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005	3:58 PM	3/8/2005 10:57 AM	1.13E+01	2.08E+00	1.10E+00	7.93E-01	1.00E+04
5/31/2005	1:23 PM	6/1/2005 12:00 AM	1.39E+01	1.94E+00	8.92E-01	1.01E+00	3.66E-01

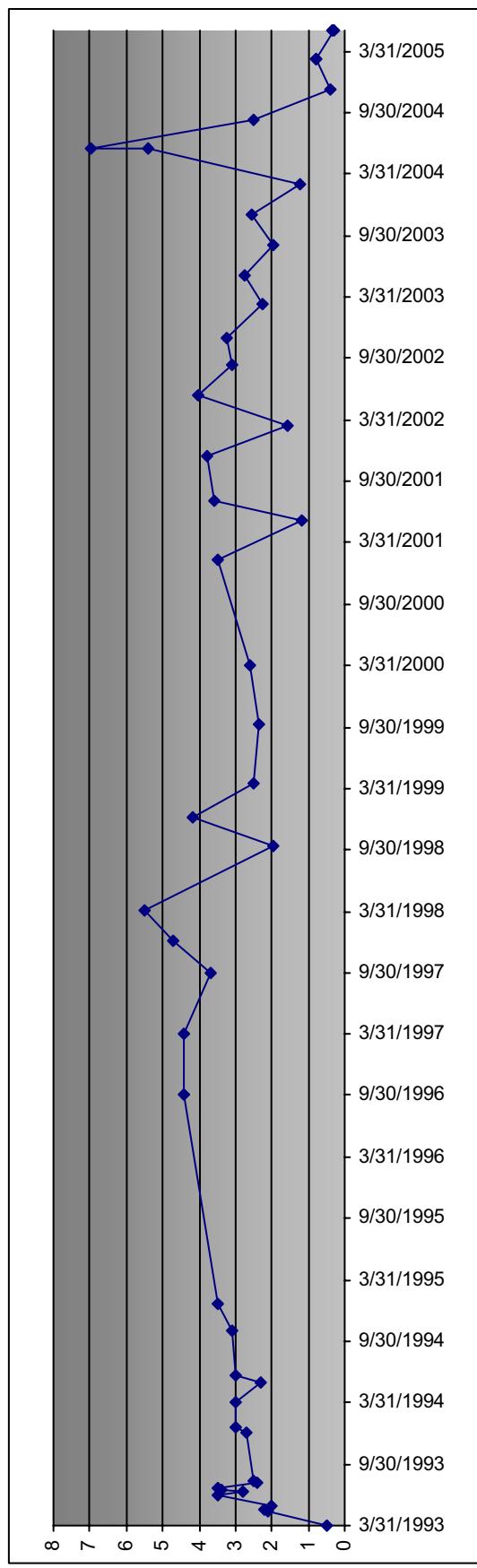


Figure F-144. Carbon Tetrachloride concentrations (ppmv) for Well Port M7S-1

Table F-145. Monitoring data for Well M7S-2 from January through June, 2005.

Well Port M7S-2	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 270921 ft	Northing 671588 ft	Purge Time 26 sec	Depth 448 ft
3/7/2005	4:00 PM	3/8/2005	11:03 AM	3.05E+00	1.12E+00	1.26E+00
5/31/2005	1:24 PM	6/1/2005	12:00 AM	2.94E+00	8.26E-01	9.04E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005	4:00 PM	3/8/2005	11:03 AM	3.05E+00	1.12E+00	1.26E+00	1.01E+04
5/31/2005	1:24 PM	6/1/2005	12:00 AM	2.94E+00	8.26E-01	9.04E-01	1.48E+04

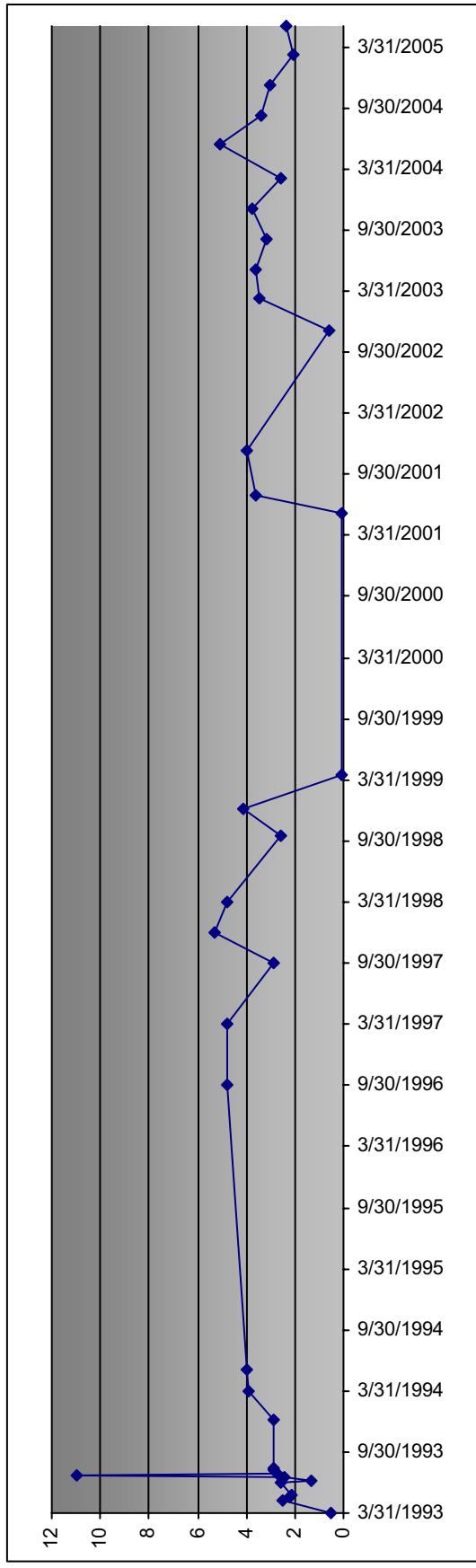


Figure F-145. Carbon Tetrachloride concentrations (ppmv) for Well Port M7S-2

Table F-146. Monitoring data for Well M7S-3 from January through June, 2005.

Well Port M7S-3	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 270921 ft	Northing 671588 ft	Purge Time 21 sec	Depth 367 ft
3/7/2005	4:02 PM	3/8/2005	11:06 AM	2.77E+00	9.81E-01	9.96E+03
5/31/2005	1:25 PM	6/1/2005	12:00 AM	2.30E+00	9.12E-01	1.22E+00

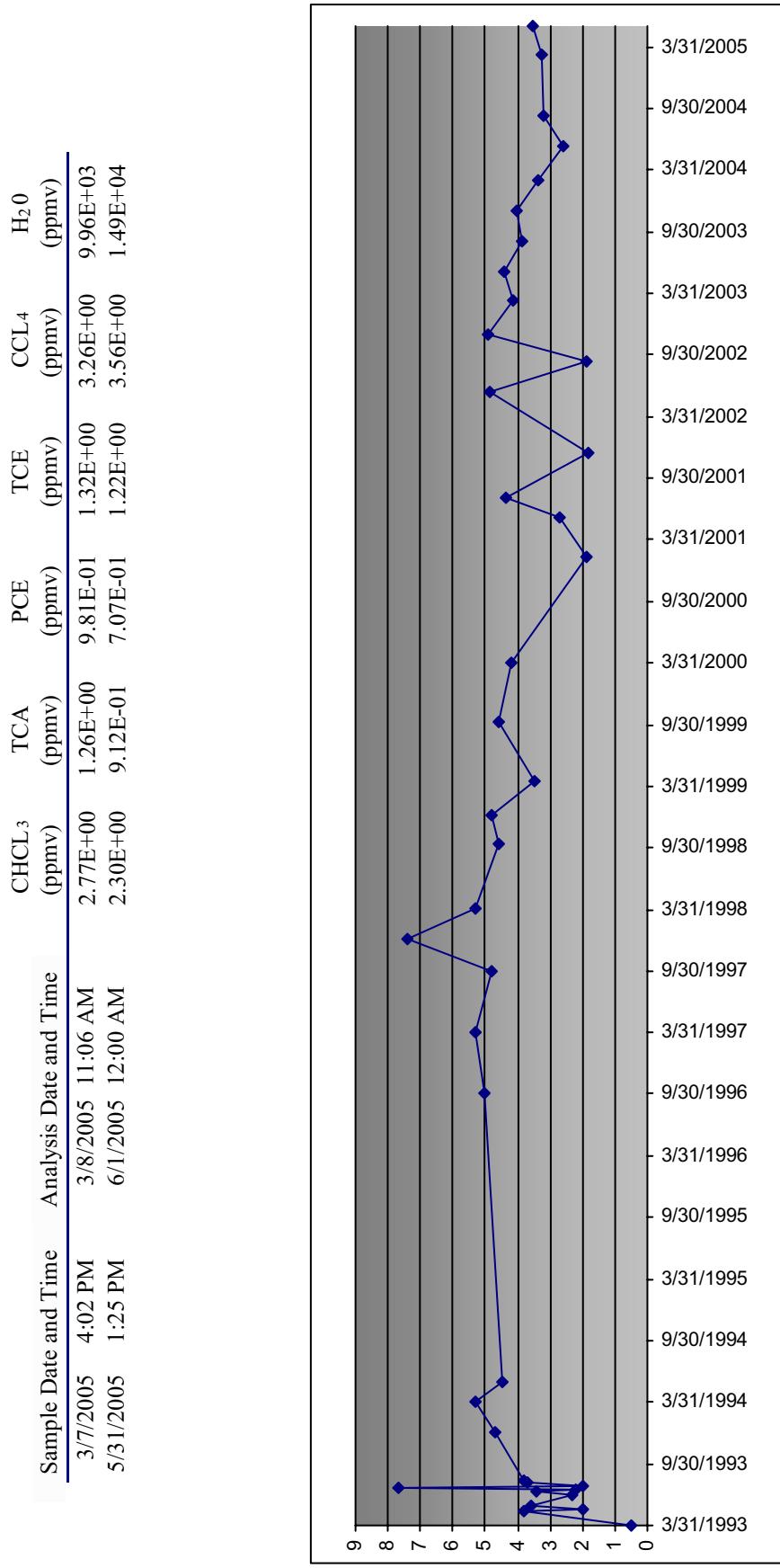


Figure F-146. Carbon Tetrachloride concentrations (ppmv) for Well Port M7S-3

Table F-147. Monitoring data for Well VVE7-1 from January through June, 2005.

Well Port VVE7-1	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 270920 ft	Northing 671608 ft	Purge Time 11 sec	Depth 198 ft
3/7/2005	4:06 PM	3/8/2005	10:48 AM	2.28E+00	1.39E+00	1.18E+00
5/31/2005	1:26 PM	6/1/2005	12:00 AM	1.90E+00	6.26E-01	6.04E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005	4:06 PM	3/8/2005	10:48 AM	2.28E+00	1.39E+00	1.18E+00	2.52E+00
5/31/2005	1:26 PM	6/1/2005	12:00 AM	1.90E+00	6.26E-01	6.04E-01	1.89E+00

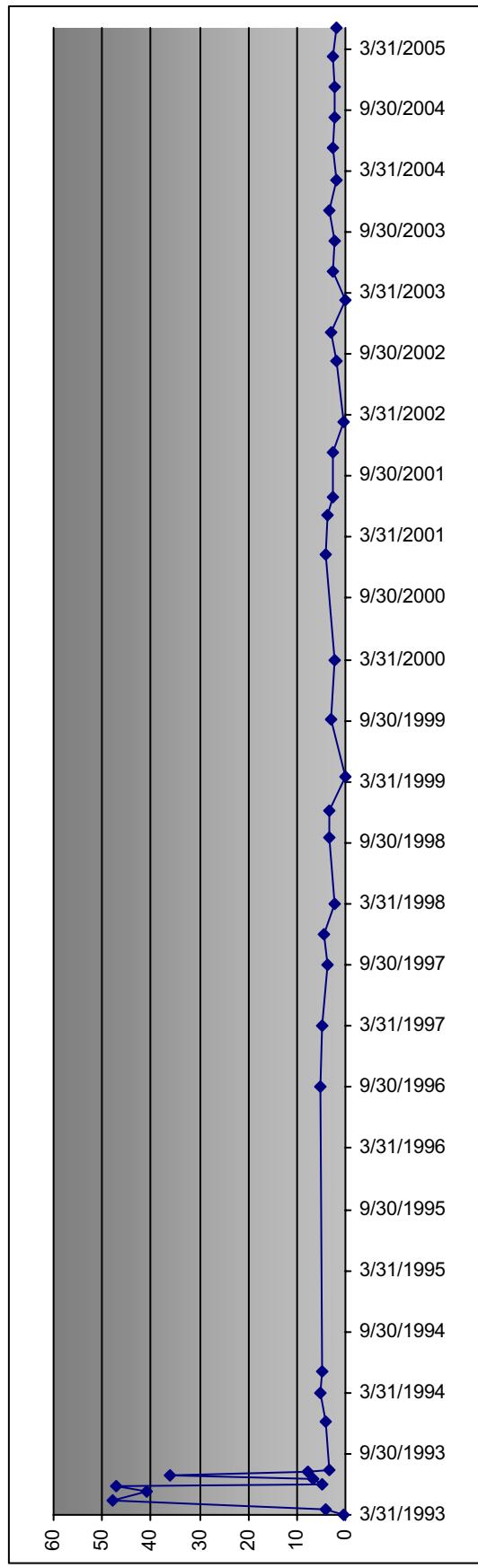


Figure F-147. Carbon Tetrachloride concentrations (ppmv) for Well Port VVE7-1

Table F-148. Monitoring data for Well VVE7-2 from January through June, 2005.

Well Port VVE7-2	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 270920 ft	Northing 671608 ft	Purge Time 8 sec	Depth 133 ft
3/7/2005	4:09 PM	3/8/2005	10:51 AM	2.39E+00	1.41E+00	1.01E+04
5/31/2005	1:27 PM	6/1/2005	12:00 AM	2.20E+00	7.50E-01	9.55E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005	4:09 PM	3/8/2005	10:51 AM	2.39E+00	1.41E+00	1.34E+00	2.60E+00
5/31/2005	1:27 PM	6/1/2005	12:00 AM	2.20E+00	7.50E-01	6.03E-01	2.10E+00

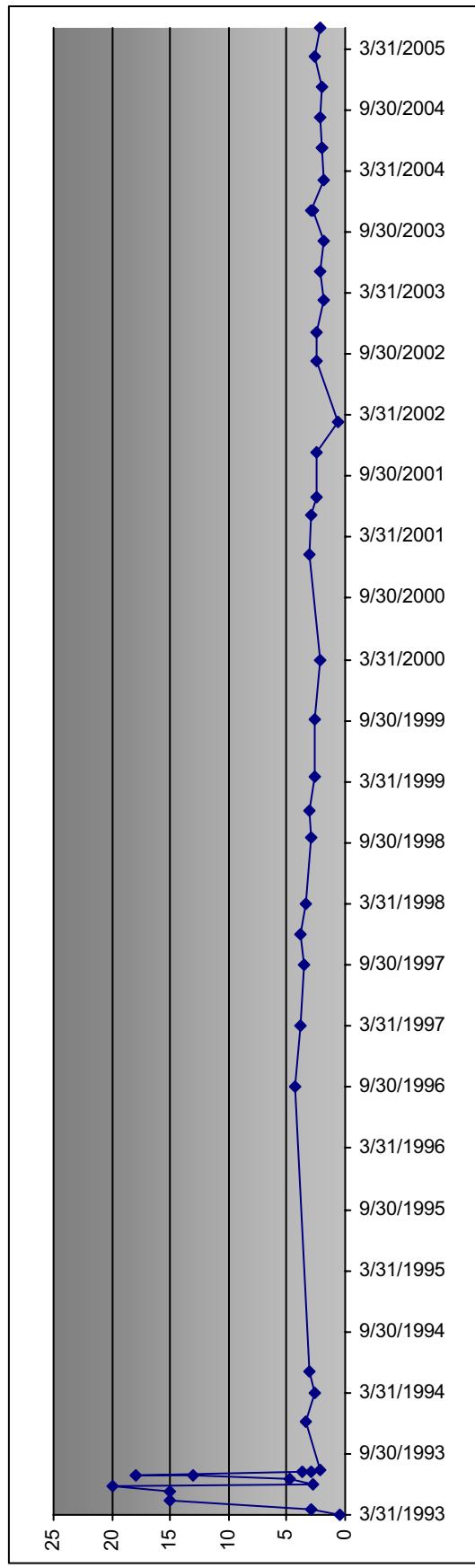


Figure F-148. Carbon Tetrachloride concentrations (ppmv) for Well Port VVE7-2

Table F-149. Monitoring data for Well VVE7-3 from January through June, 2005.

Well Port VVE7-3	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 270920 ft	Northing 671608 ft	Purge Time 4 sec	Depth 77 ft
3/7/2005	4:09 PM	3/8/2005	10:54 AM	2.10E+00	1.31E+00	1.22E+00
5/31/2005	1:28 PM	6/1/2005	12:00 AM	2.02E+00	6.65E-01	5.69E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005	4:09 PM	3/8/2005	10:54 AM	2.10E+00	1.31E+00	1.22E+00	1.01E+04
5/31/2005	1:28 PM	6/1/2005	12:00 AM	2.02E+00	6.65E-01	5.69E-01	1.49E+04

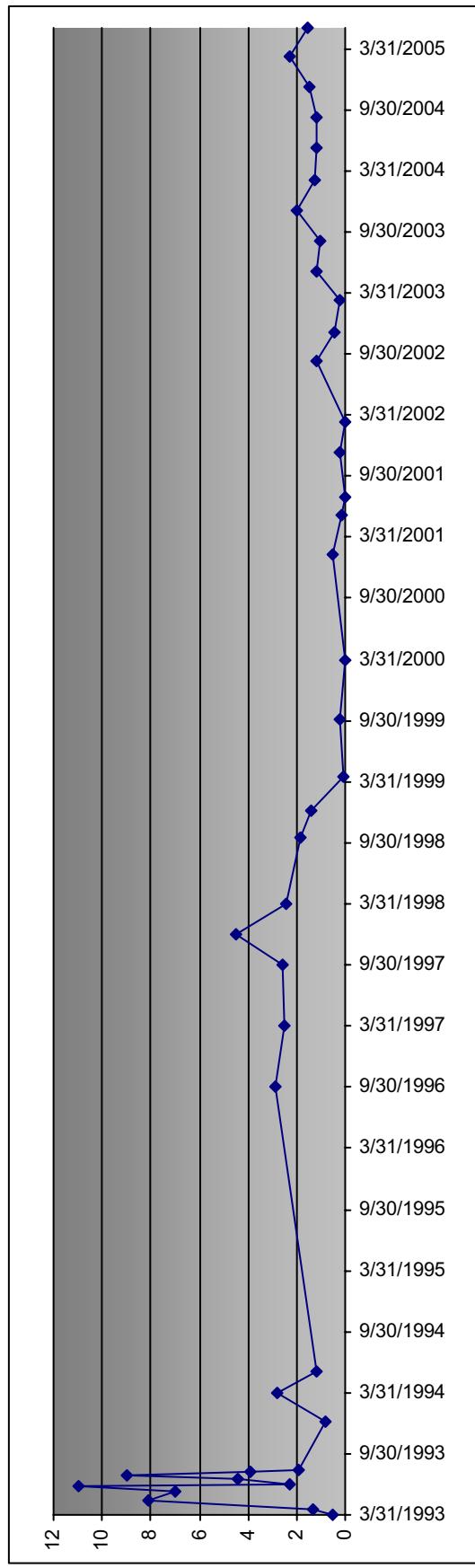


Figure F-149. Carbon Tetrachloride concentrations (ppmv) for Well Port VVE7-3

Table F-150. Monitoring data for Well M10S-2 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
M10S-2	□	M	266882 ft	668227 ft	118 sec	455 ft
2/8/2005	12:38 PM	Analysis Date and Time	2/10/2005 11:38 AM	4.59E+00	3.43E+00	8.08E+00

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
2/8/2005 12:38 PM	2/10/2005 11:38 AM	4.59E+01	3.43E+00	8.08E+00	4.82E+00	1.22E+01	4.49E+03

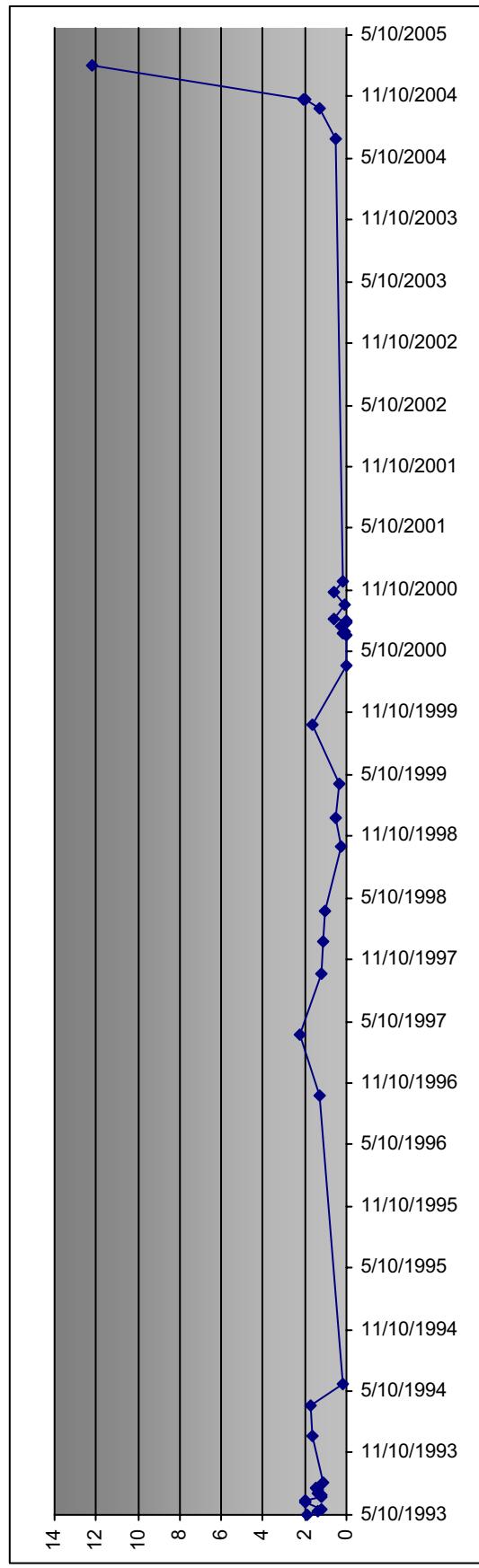


Figure F-150. Carbon Tetrachloride concentrations (ppmv) for Well Port M10S-2

Table F-151. Monitoring data for Well M10S-3 from January through June, 2005.

Well Port M10S-3	Inside Fence <input type="checkbox"/>	Frequency M	Easting 266882 ft	Northing 668227 ft	Purge Time 21 sec	Depth 357 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/5/2005 11:30 AM	1/6/2005 3:36 PM	3.10E+00	3.81E-01	7.68E-01	0.00E+00	1.19E+03	
2/8/2005 12:32 PM	2/10/2005 11:41 AM	3.19E+00	2.55E+00	7.22E+00	3.98E+00	7.06E+00	4.43E+03
3/7/2005 9:37 AM	3/8/2005 11:27 AM	2.27E+00	6.92E-01	5.96E-01	7.59E-01	1.43E+00	1.00E+04
4/5/2005 11:33 AM	4/7/2005 1:48 PM	3.26E+00	2.34E+00	6.29E+00	3.39E+00	6.89E+00	8.67E+03
5/10/2005 11:26 AM	5/11/2005 10:43 AM	5.53E+00	9.55E-01	1.31E+00	1.13E+00	3.99E+00	1.51E+04
5/31/2005 3:19 PM	6/1/2005 11:41 AM	1.73E+00	3.22E-01	4.93E-01	4.83E-01	4.83E-01	1.46E+04

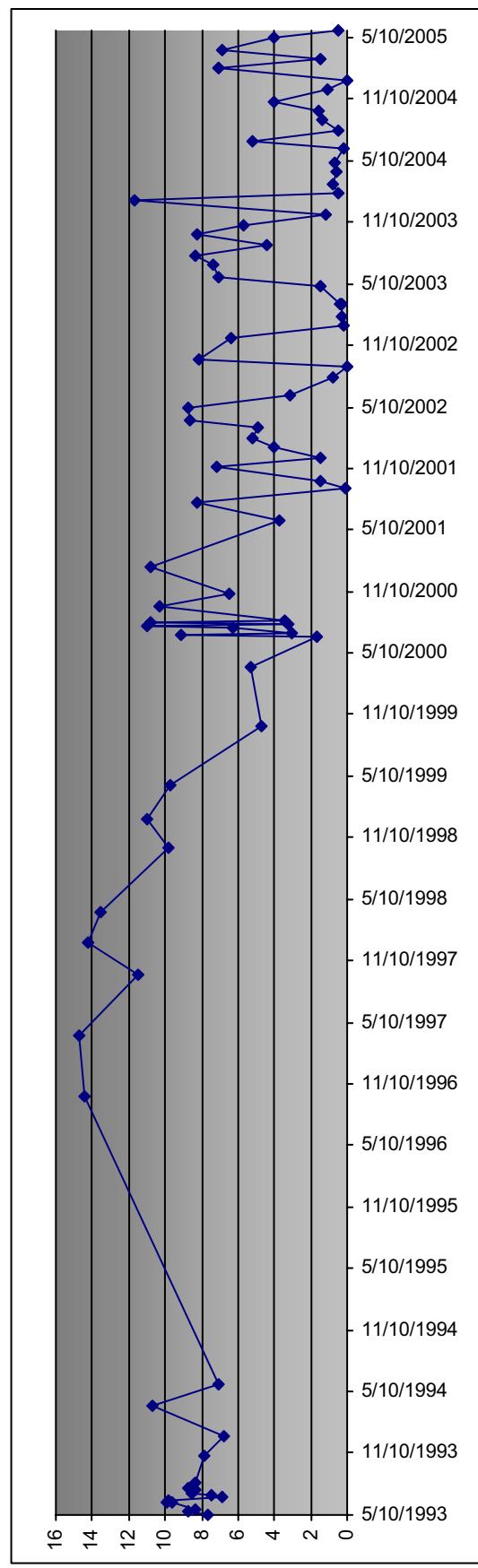


Figure F-151. Carbon Tetrachloride concentrations (ppmv) for Well Port M10S-3

Table F-152. Monitoring data for Well M10S-4 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
M10S-4	□	M	266882 ft	668227 ft	17 sec	295 ft

Sample Date and Time	Analysis Date and Time	CHCl ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/5/2005 11:33 AM	1/6/2005 3:39 PM	3.53E+00	1.49E+00	4.91E-01	6.73E-01	0.00E+00	1.14E+03
2/8/2005 12:32 PM	2/10/2005 11:47 AM	3.09E+00	2.40E+00	6.75E+00	3.40E+00	6.10E+00	4.75E+03
3/7/2005 9:39 AM	3/8/2005 11:30 AM	1.98E+00	7.35E-01	5.54E-01	9.00E-01	1.07E+00	1.01E+04
4/5/2005 11:34 AM	4/7/2005 1:51 PM	2.97E+00	2.19E+00	5.66E+00	3.09E+00	6.08E+00	8.67E+03
5/10/2005 11:24 AM	5/11/2005 10:46 AM	2.67E+00	1.54E+00	1.49E+00	4.62E+00	1.49E+04	
5/31/2005 3:20 PM	6/1/2005 11:44 AM	1.63E+00	3.95E-01	2.47E-01	5.07E-01	2.75E-01	1.44E+04

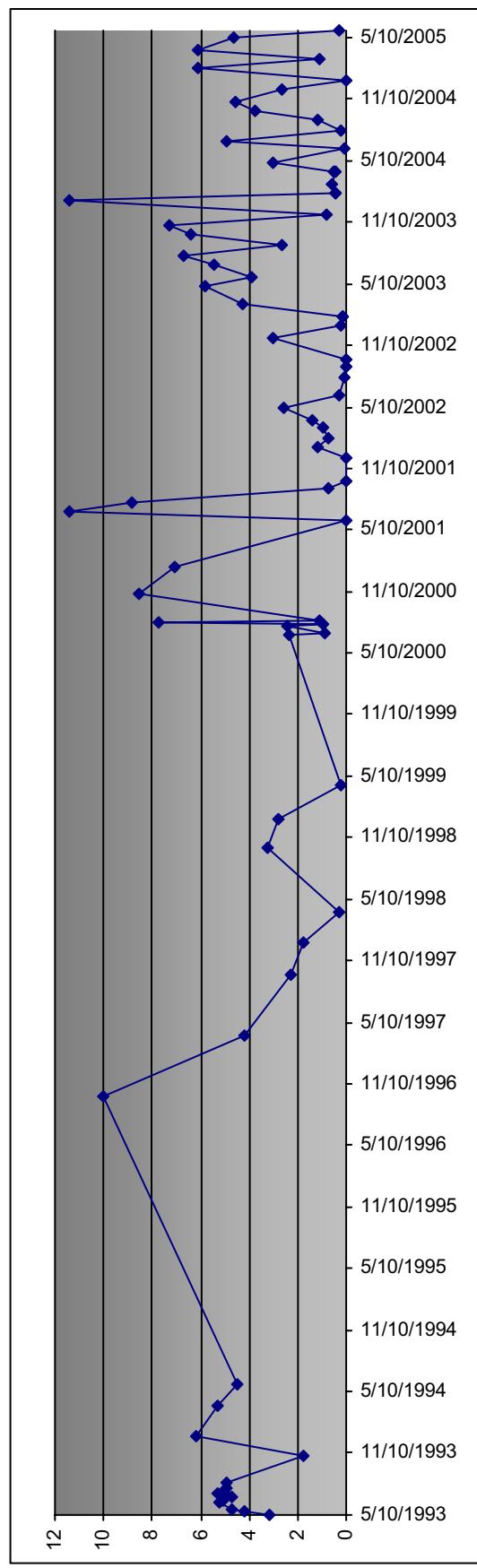


Figure F-152. Carbon Tetrachloride concentrations (ppmv) for Well Port M10S-4

Table F-153. Monitoring data for Well M10SR-1 from January through June, 2005.

Well Port M10SR-1	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 266882 ft	Northing 668227 ft	Purge Time 20 sec	Depth 530 ft
1/5/2005	11:37 AM	1/6/2005	3:51 PM	4.32E+00	2.05E+00	6.92E-01
3/7/2005	9:30 AM	3/8/2005	11:21 AM	2.58E+00	1.19E+00	8.83E-01
4/5/2005	11:29 AM	4/7/2005	1:42 PM	4.57E+00	3.40E+00	8.53E+00
5/10/2005	11:32 AM	5/11/2005	10:37 AM	2.60E+00	1.36E+00	1.52E+00
5/31/2005	3:17 PM	6/1/2005	11:47 AM	2.68E+00	1.08E+00	5.47E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/5/2005 11:37 AM	1/6/2005 3:51 PM	4.32E+00	2.05E+00	6.92E-01	1.02E+00	2.29E+00	1.10E+03
3/7/2005 9:30 AM	3/8/2005 11:21 AM	2.58E+00	1.19E+00	8.83E-01	1.06E+00	2.67E+00	1.02E+04
4/5/2005 11:29 AM	4/7/2005 1:42 PM	4.57E+00	3.40E+00	8.53E+00	5.08E+00	1.18E+01	8.65E+03
5/10/2005 11:32 AM	5/11/2005 10:37 AM	2.60E+00	1.36E+00	1.52E+00	1.40E+00	5.92E+00	1.54E+04
5/31/2005 3:17 PM	6/1/2005 11:47 AM	2.68E+00	1.08E+00	5.47E-01	1.222E+00	4.91E+00	1.44E+04

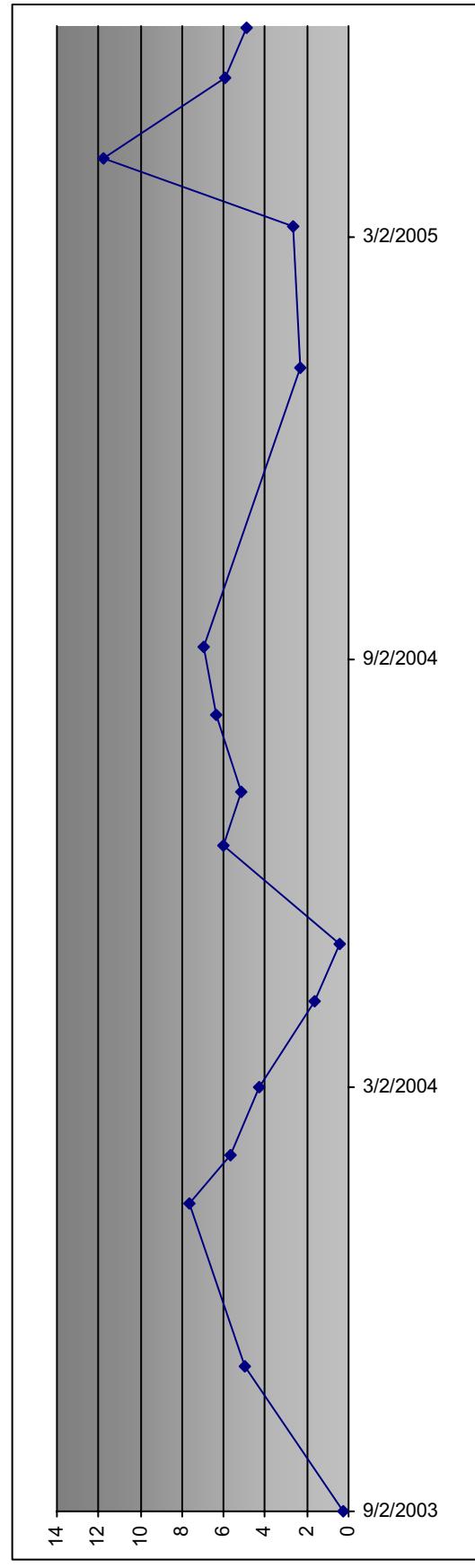


Figure F-153. Carbon Tetrachloride concentrations (ppmv) for Well Port M10SR-1

Table F-154. Monitoring data for Well M10SR-2 from January through June, 2005.

Well Port M10SR-2	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 266882 ft	Northing 668227 ft	Purge Time 13 sec	Depth 350 ft
1/5/2005 11:35 AM		1/6/2005 3:54 PM	3.47E+00	1.39E+00	4.49E-01	7.64E-01
3/7/2005 9:32 AM		3/8/2005 11:24 AM	2.04E+00	8.20E-01	4.84E-01	9.36E-01
4/5/2005 11:30 AM		4/7/2005 1:45 PM	3.79E+00	2.87E+00	7.81E+00	4.32E+00
5/10/2005 11:33 AM		5/11/2005 10:40 AM	1.78E+00	7.23E-01	1.30E+00	7.85E-01
5/31/2005 3:18 PM		6/1/2005 11:50 AM	1.62E+00	4.52E-01	3.49E-01	6.51E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/5/2005 11:35 AM	1/6/2005 3:54 PM	3.47E+00	1.39E+00	4.49E-01	7.64E-01	0.00E+00	1.11E+03
3/7/2005 9:32 AM	3/8/2005 11:24 AM	2.04E+00	8.20E-01	4.84E-01	9.36E-01	1.52E+00	1.00E+04
4/5/2005 11:30 AM	4/7/2005 1:45 PM	3.79E+00	2.87E+00	7.81E+00	4.32E+00	9.28E+00	8.71E+03
5/10/2005 11:33 AM	5/11/2005 10:40 AM	1.78E+00	7.23E-01	1.30E+00	7.85E-01	1.78E+00	1.61E+04
5/31/2005 3:18 PM	6/1/2005 11:50 AM	1.62E+00	4.52E-01	3.49E-01	6.51E-01	1.21E+00	1.43E+04

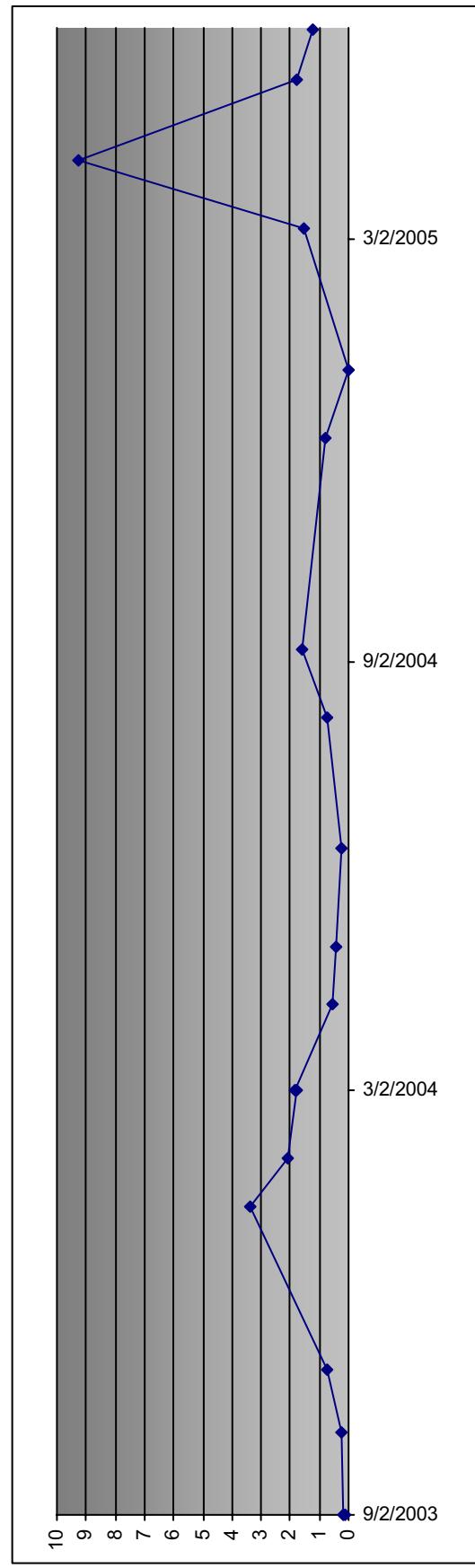


Figure F-154. Carbon Tetrachloride concentrations (ppmv) for Well Port M10SR-2

Table F-155. Monitoring data for Well VVE10-1 from January through June, 2005.

Well Port VVE10-1	Inside Fence <input type="checkbox"/>	Frequency M	Easting 266870 ft	Northing 668242 ft	Purge Time 11 sec	Depth 198 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/5/2005 11:45 AM	1/6/2005 3:57 PM	3.60E+00	1.58E+00	4.13E-01	8.61E-01	5.17E-01	1.11E+03
2/8/2005 12:40 PM	2/10/2005 11:50 AM	3.35E+00	2.61E+00	6.47E+00	3.55E+00	7.62E+00	4.64E+03
3/7/2005 9:21 AM	3/8/2005 11:09 AM	2.26E+00	9.50E-01	8.16E-01	9.58E-01	1.37E+00	1.01E+04
4/5/2005 11:38 AM	4/7/2005 1:54 PM	3.40E+00	2.27E+00	5.37E+00	3.02E+00	6.93E+00	8.66E+03
5/10/2005 11:28 AM	5/11/2005 10:49 AM	2.26E+00	8.51E-01	1.10E+00	1.19E+00	3.33E+00	1.61E+04
5/31/2005 3:21 PM	6/1/2005 12:00 AM	1.78E+00	8.03E-01	2.27E+00	1.21E+00	1.98E+00	1.52E+04

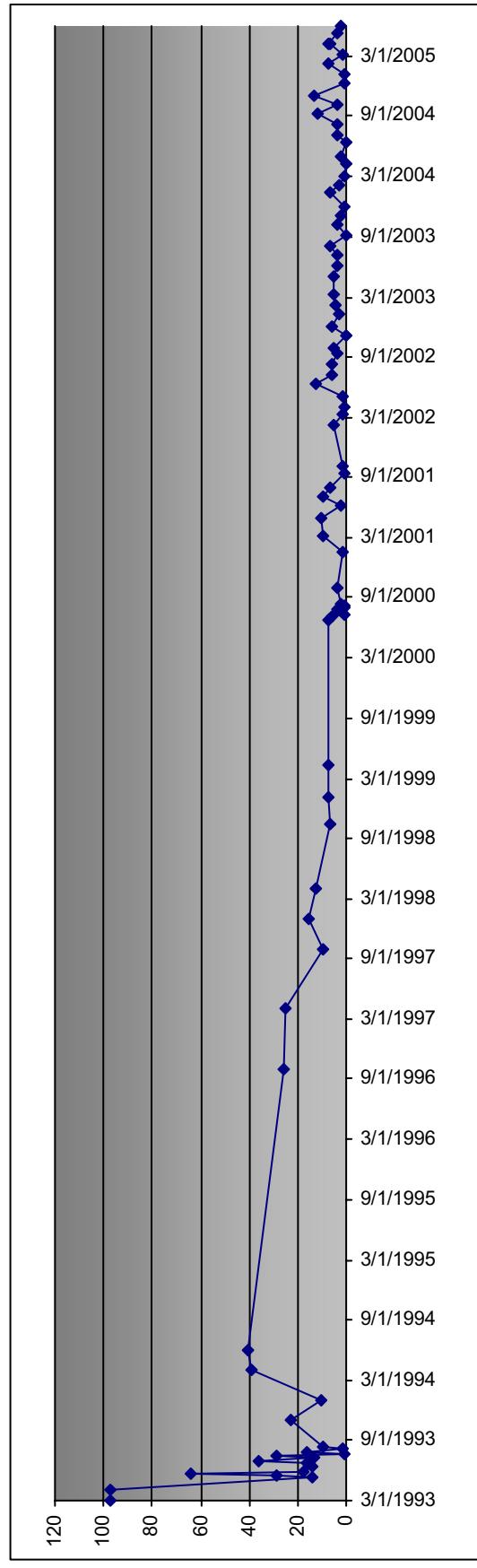


Figure F-155. Carbon Tetrachloride concentrations (ppmv) for Well Port VVE10-1

Table F-156. Monitoring data for Well VVE10-2 from January through June, 2005.

Well Port VVE10-2	Inside Fence <input type="checkbox"/>	Frequency M	Easting 266870 ft	Northing 668242 ft	Purge Time 8 sec	Depth 138 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/5/2005 11:48 AM	1/6/2005 4:00 PM	3.96E+00	1.88E+00	5.75E-01	1.09E+00	2.50E+00	1.10E+03
2/8/2005 12:42 PM	2/10/2005 11:53 AM	4.31E+00	3.02E+00	6.05E+00	4.21E+00	1.41E+01	4.60E+03
3/7/2005 9:24 AM	3/8/2005 11:12 AM	2.59E+00	1.30E+00	9.35E-01	1.08E+00	3.65E+00	1.02E+04
4/5/2005 11:39 AM	4/7/2005 2:00 PM	3.55E+00	2.54E+00	4.86E+00	3.01E+00	9.38E+00	8.70E+03
5/10/2005 11:29 AM	5/11/2005 10:52 AM	3.07E+00	1.51E+00	1.25E+00	2.18E+00	1.00E+01	1.52E+04
5/31/2005 3:22 PM	6/1/2005 12:00 AM	2.31E+00	1.29E+00	2.16E+00	1.99E+00	6.44E+00	1.52E+04

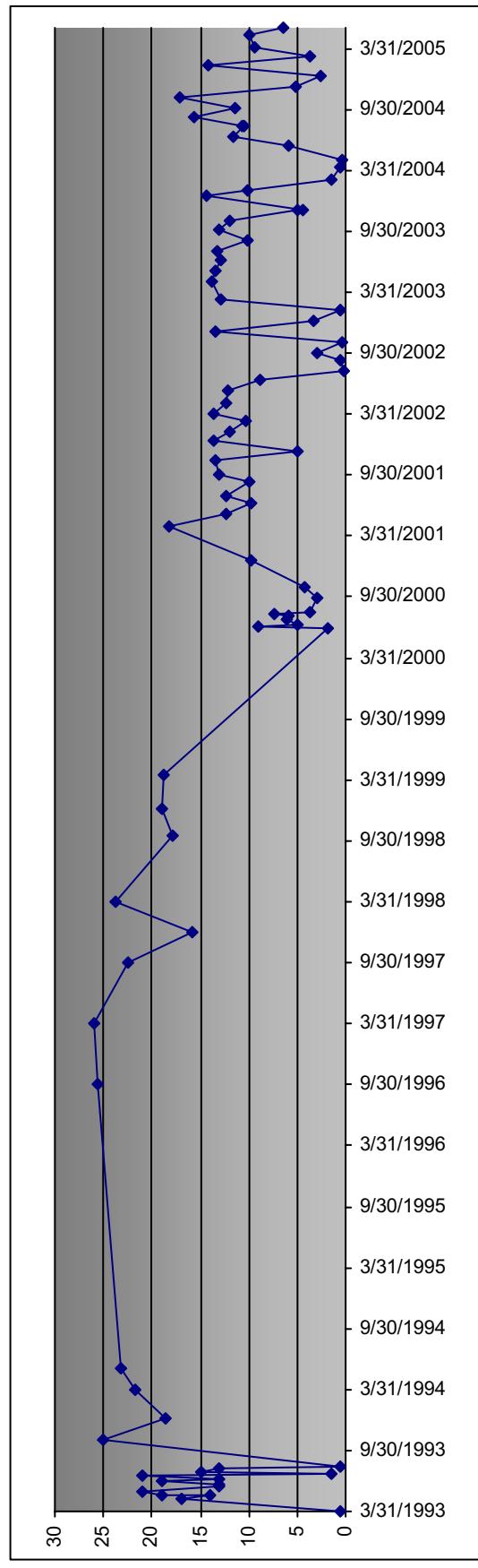


Figure F-156. Carbon Tetrachloride concentrations (ppmv) for Well Port VVE10-2

Table F-157. Monitoring data for Well VVE10-3 from January through June, 2005.

Well Port VVE10-3	Inside Fence <input type="checkbox"/>	Frequency M	Easting 266870 ft	Northing 668242 ft	Purge Time 4 sec	Depth 75 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/5/2005 11:51 AM	1/6/2005 4:03 PM	4.26E+00	6.19E-01	1.32E+00	1.90E+00	1.10E+03	
2/8/2005 1:50 PM	2/10/2005 11:59 AM	3.72E+00	5.63E+00	3.59E+00	6.77E+00	4.68E+03	
3/7/2005 9:26 AM	3/8/2005 11:15 AM	2.64E+00	1.05E+00	9.50E-01	1.13E+00	2.98E+00	1.01E+04
4/5/2005 11:40 AM	4/7/2005 2:03 PM	3.46E+00	2.01E+00	4.60E+00	2.92E+00	7.09E+00	8.75E+03
5/10/2005 11:30 AM	5/11/2005 10:55 AM	2.46E+00	7.32E-01	1.16E+00	1.54E+00	3.18E+00	1.77E+04
5/31/2005 1:23 PM	6/1/2005 12:00 AM	2.14E+00	8.81E-01	2.13E+00	1.72E+00	3.03E+00	1.53E+04

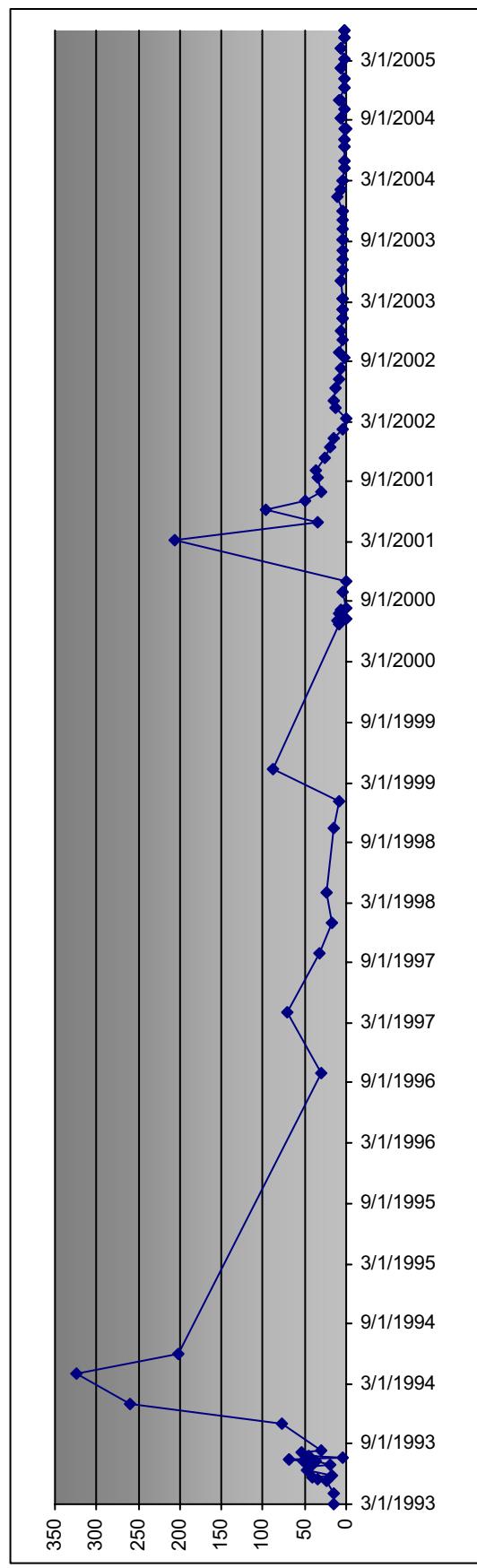


Figure F-157. Carbon Tetrachloride concentrations (ppmv) for Well Port VVE10-3

Table F-158. Monitoring data for Well M11S-1 from January through June, 2005.

Well Port M11S-1	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 274247 ft	Northing 675132 ft	Purge Time 32 sec	Depth 557 ft
3/7/2005	3:54 PM	3/8/2005	11:57 AM	2.01E+00	8.10E-01	4.77E-01
5/31/2005	1:48 PM	6/1/2005	11:56 AM	1.59E+00	3.78E-01	2.59E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005	3:54 PM	3/8/2005 11:57 AM	2.01E+00	8.10E-01	4.77E-01	6.66E-01	1.01E+04
5/31/2005	1:48 PM	6/1/2005 11:56 AM	1.59E+00	3.78E-01	2.59E-01	5.77E-01	1.42E+04

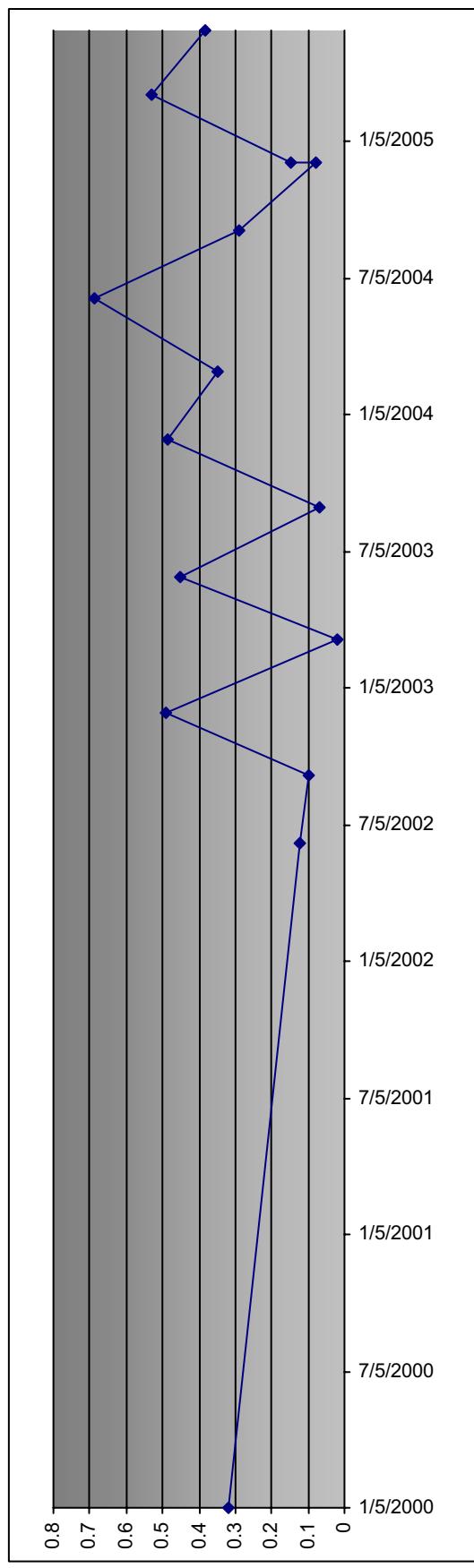


Figure F-158. Carbon Tetrachloride concentrations (ppmv) for Well Port M11S-1

Table F-159. Monitoring data for Well M13S-1 from January through June, 2005.

Well Port M13S-1	Inside Fence □	Frequency Q	Easting 276945 ft	Northing 672953 ft	Purge Time 34 sec	Depth 591 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005 3:10 PM	3/8/2005 12:03 PM	2.10E+00	7.65E-01	4.68E-01	6.41E-01	3.95E-01	1.00E+04
5/31/2005 1:57 PM	6/1/2005 11:59 AM	1.71E+00	3.50E-01	2.58E-01	5.41E-01	2.23E-01	1.41E+04

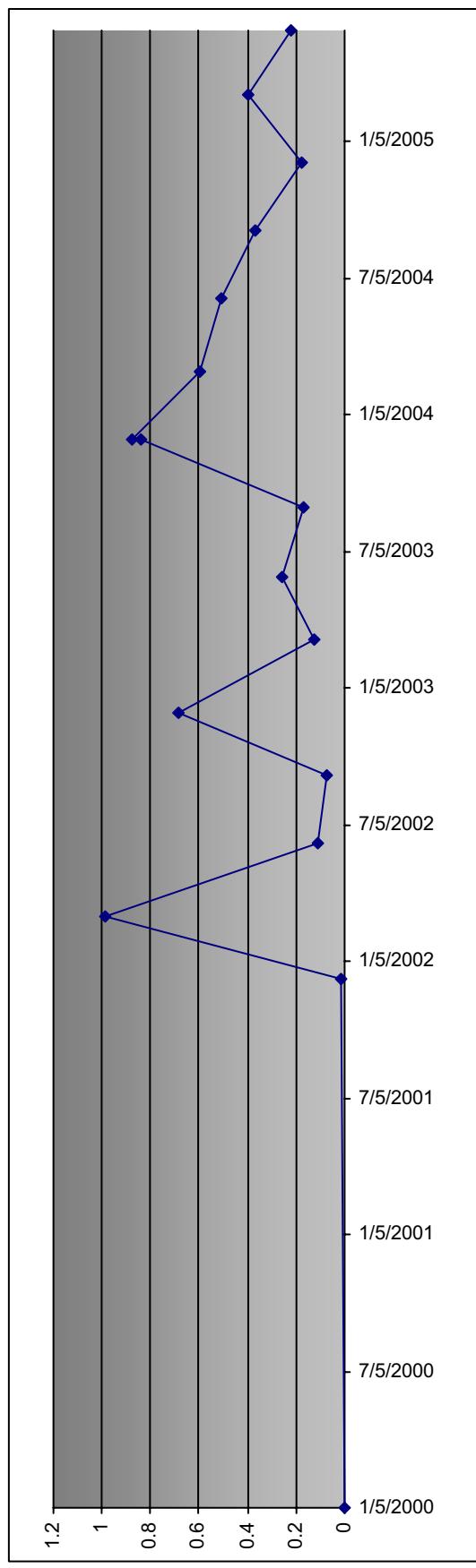


Figure F-159. Carbon Tetrachloride concentrations (ppmv) for Well Port M13S-1

Table F-160. Monitoring data for Well M14S-1 from January through June, 2005.

Well Port M14S-1	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 266413 ft	Northing 674610 ft	Purge Time 34 sec	Depth 581 ft
3/7/2005	2:10 PM	3/8/2005	12:15 PM	2.04E+00	8.01E-01	4.35E-01
5/31/2005	8:42 AM	6/1/2005	12:02 PM	1.59E+00	3.93E-01	1.96E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005	2:10 PM	3/8/2005	12:15 PM	2.04E+00	8.01E-01	6.76E-01	3.19E-01
5/31/2005	8:42 AM	6/1/2005	12:02 PM	1.59E+00	3.93E-01	5.62E-01	3.53E-01

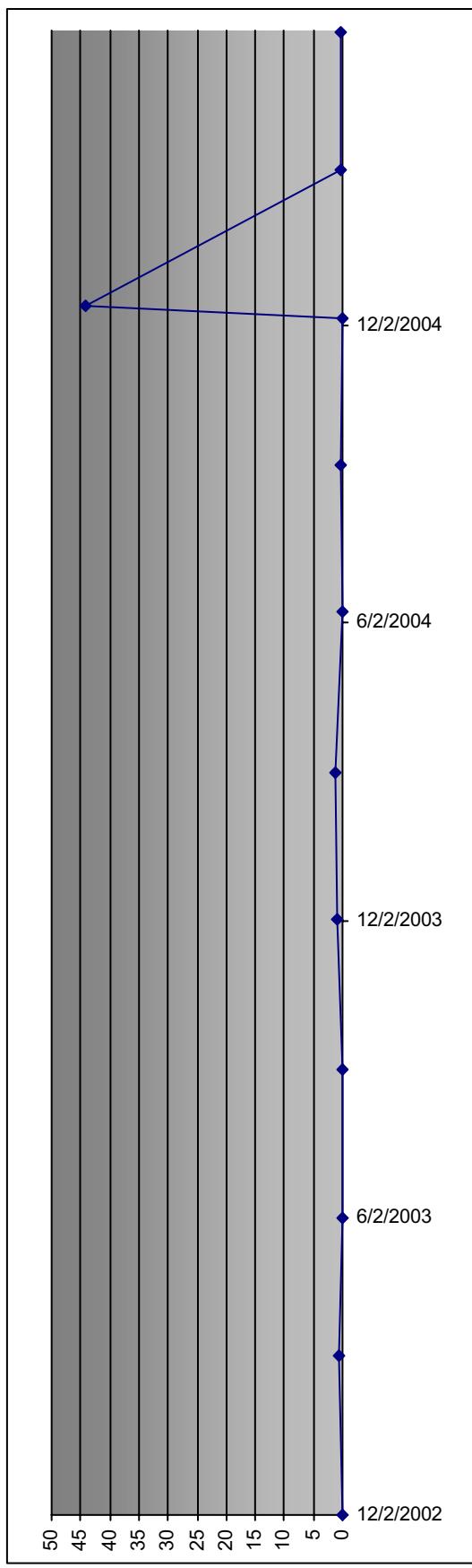


Figure F-160. Carbon Tetrachloride concentrations (ppmv) for Well Port M14S-1

Table F-161. Monitoring data for Well M15S-1 from January through June, 2005.

Well Port M15S-1	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 271193 ft	Northing 668207 ft	Purge Time 31 sec	Depth 540 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005 8:06 AM	3/8/2005 12:33 PM	2.18E+00	8.19E-01	4.72E-01	6.84E-01	7.50E-01	1.02E+04
5/31/2005 2:25 PM	6/1/2005 11:08 AM	1.90E+00	5.17E-01	4.98E-01	6.42E-01	1.37E+00	1.46E+04

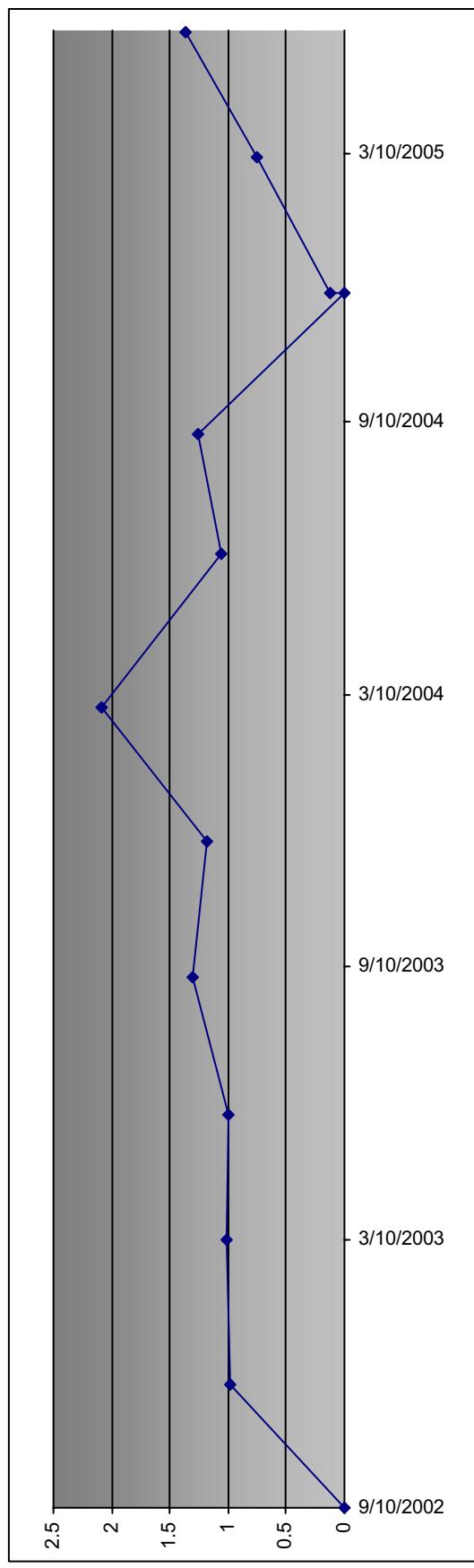


Figure F-161. Carbon Tetrachloride concentrations (ppmv) for Well Port M15S-1

Table F-162. Monitoring data for Well M15S-2 from January through June, 2005.

Well Port M15S-2	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 271193 ft	Northing 668207 ft	Purge Time 17 sec	Depth 302 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005 8:08 AM	3/8/2005 12:36 PM	2.32E+00	9.28E-01	3.28E-01	8.27E-01	1.44E+00	1.01E+04
5/31/2005 2:26 PM	6/1/2005 11:14 AM	1.95E+00	7.21E-01	4.84E-01	8.21E-01	1.98E+00	1.47E+04

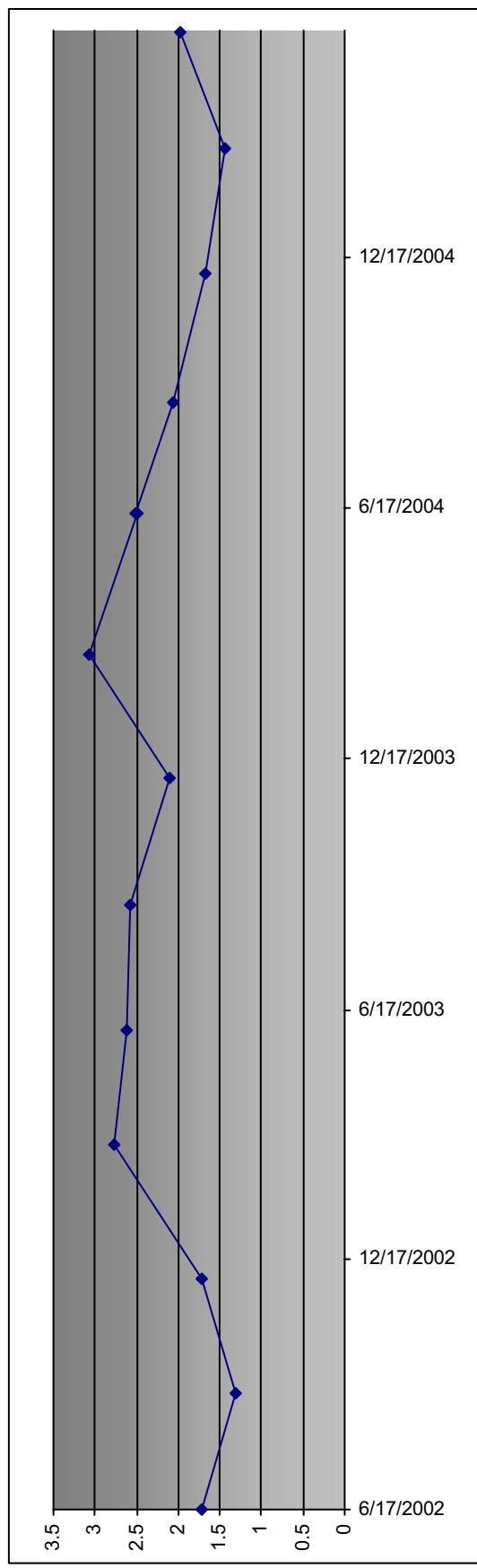


Figure F-162. Carbon Tetrachloride concentrations (ppmv) for Well Port M15S-2

Table F-163. Monitoring data for Well M15S-3 from January through June, 2005.

Well Port M15S-3	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 271193 ft	Northing 668207 ft	Purge Time 7 sec	Depth 123 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005 8:11 AM	3/8/2005 12:39 PM	2.13E+00	8.15E-01	4.60E-01	7.46E-01	1.19E+00	1.02E+04
5/31/2005 2:27 PM	6/1/2005 11:17 AM	1.88E+00	5.92E-01	4.13E-01	6.98E-01	1.59E+00	1.47E+04

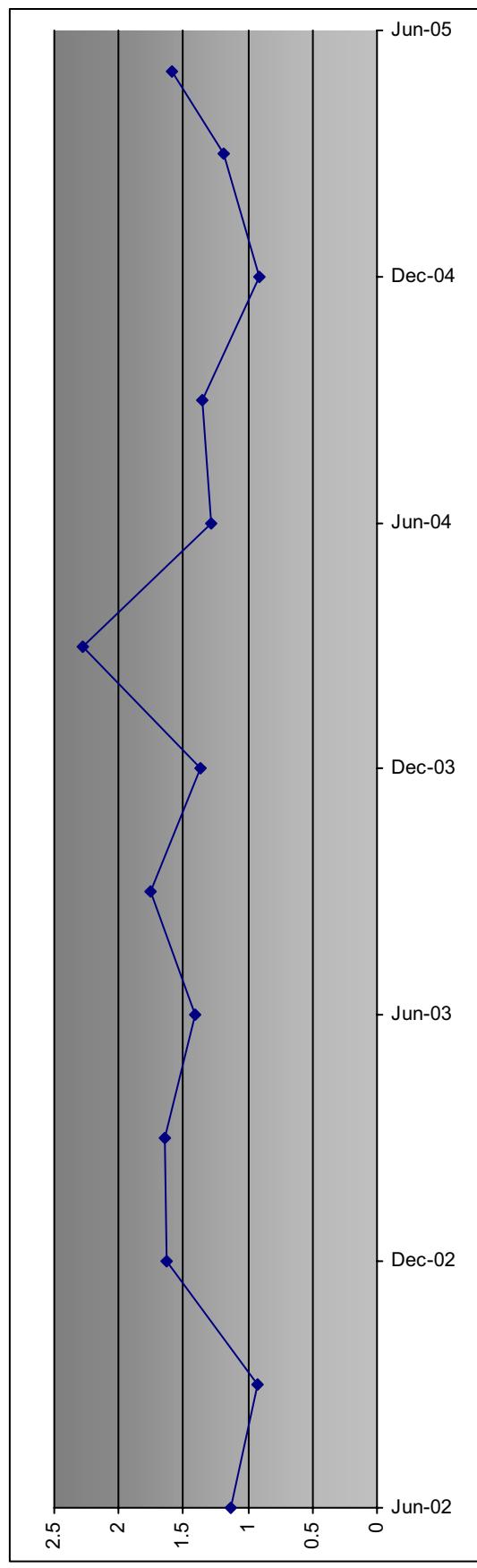


Figure F-163. Carbon Tetrachloride concentrations (ppmv) for Well Port M15S-3

Table F-164. Monitoring data for Well M15S-4 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
M15S-4	□	Q	271193 ft	668207 ft	6 sec	103 ft
3/7/2005	8:13 AM	3/8/2005	12:42 PM	2.08E+00	7.69E-01	4.90E-01
5/31/2005	2:28 PM	6/1/2005	11:20 AM	1.68E+00	5.54E-01	4.01E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005 8:13 AM	3/8/2005 12:42 PM	2.08E+00	7.69E-01	4.90E-01	6.42E-01	1.02E+00	1.01E+04
5/31/2005 2:28 PM	6/1/2005 11:20 AM	1.68E+00	5.54E-01	4.01E-01	5.99E-01	1.17E+00	1.48E+04

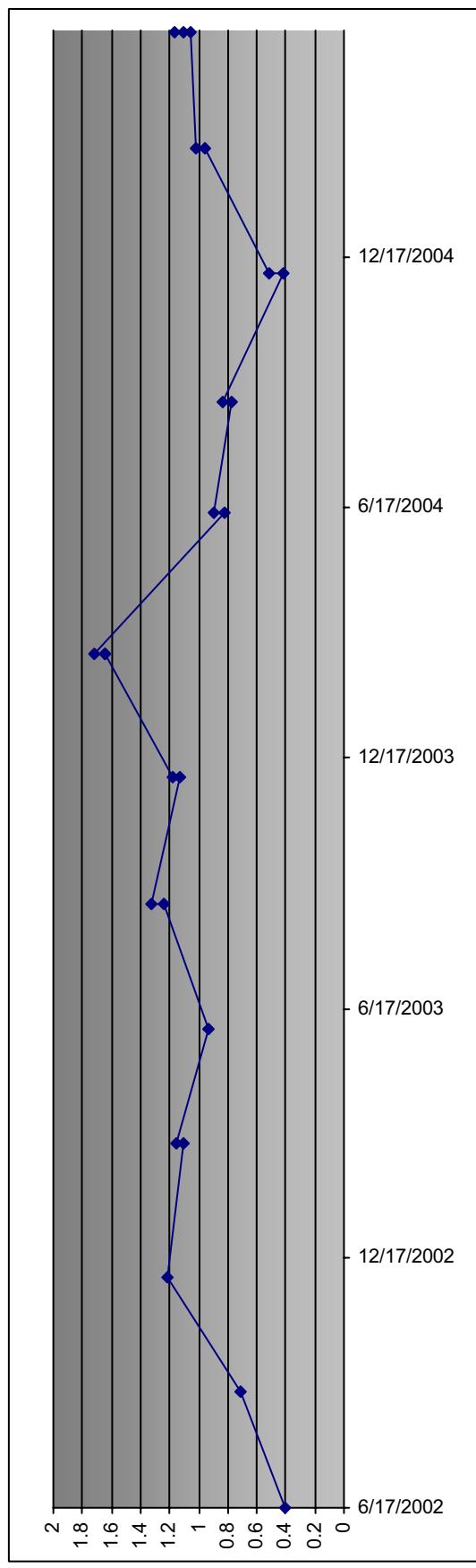


Figure F-164. Carbon Tetrachloride concentrations (ppmv) for Well Port M15S-4

Table F-165. Monitoring data for Well M16S-1 from January through June, 2005.

Well Port M16S-1	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 271201 ft	Northing 670185 ft	Purge Time 32 sec	Depth 548 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005 7:53 AM	3/8/2005 12:48 PM	2.00E+00	7.45E-01	3.80E-01	6.27E-01	6.39E-01	1.02E+04
5/31/2005 2:13 PM	6/1/2005 12:05 PM	1.69E+00	5.59E-01	2.94E-01	6.30E-01	8.32E-01	1.42E+04

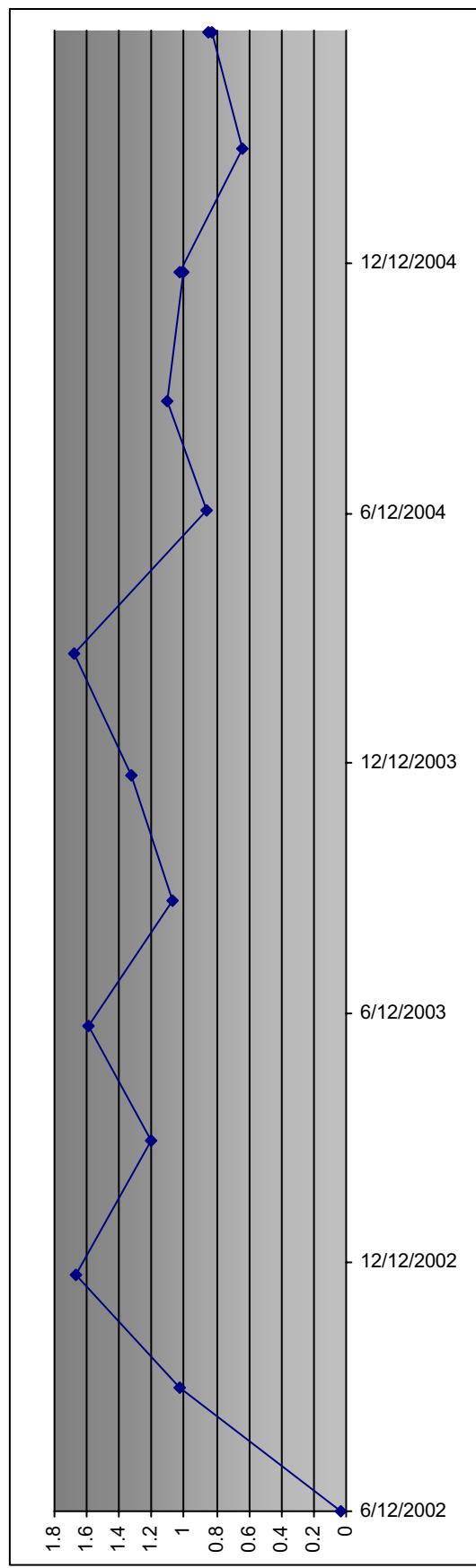


Figure F-165. Carbon Tetrachloride concentrations (ppmv) for Well Port M16S-1

Table F-166. Monitoring data for Well M16S-2 from January through June, 2005.

Well Port M16S-2	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 271201 ft	Northing 670185 ft	Purge Time 17 sec	Depth 295 ft
3/7/2005	7:56 AM	3/8/2005	12:51 PM	2.31E+00	9.98E-01	4.10E-01
5/31/2005	2:14 PM	6/1/2005	12:11 PM	2.11E+00	7.95E-01	3.53E-01

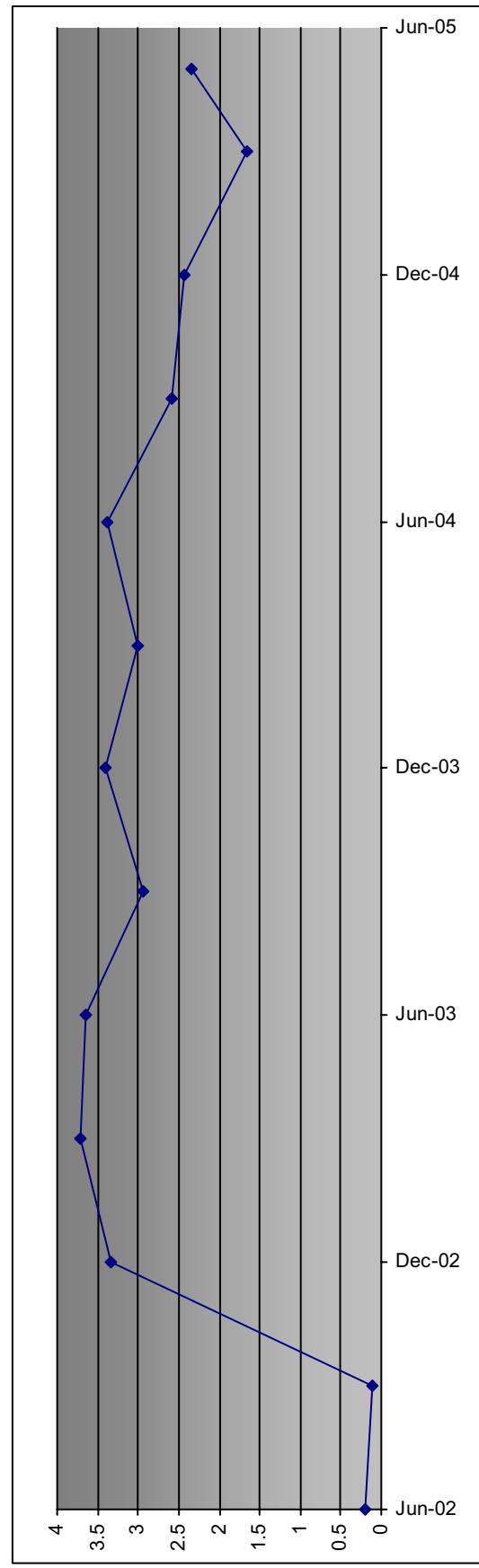


Figure F-166. Carbon Tetrachloride concentrations (ppmv) for Well Port M16S-2

Table F-167. Monitoring data for Well M16S-3 from January through June, 2005.

Well Port M16S-3	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 271201 ft	Northing 670185 ft	Purge Time 11 sec	Depth 197 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005 7:57 AM	3/8/2005 12:54 PM	2.02E+00	7.49E-01	3.36E-01	7.55E-01	1.22E+00	1.01E+04
5/31/2005 2:16 PM	6/1/2005 12:14 PM	1.89E+00	5.99E-01	3.43E-01	7.62E-01	1.26E+00	1.41E+04

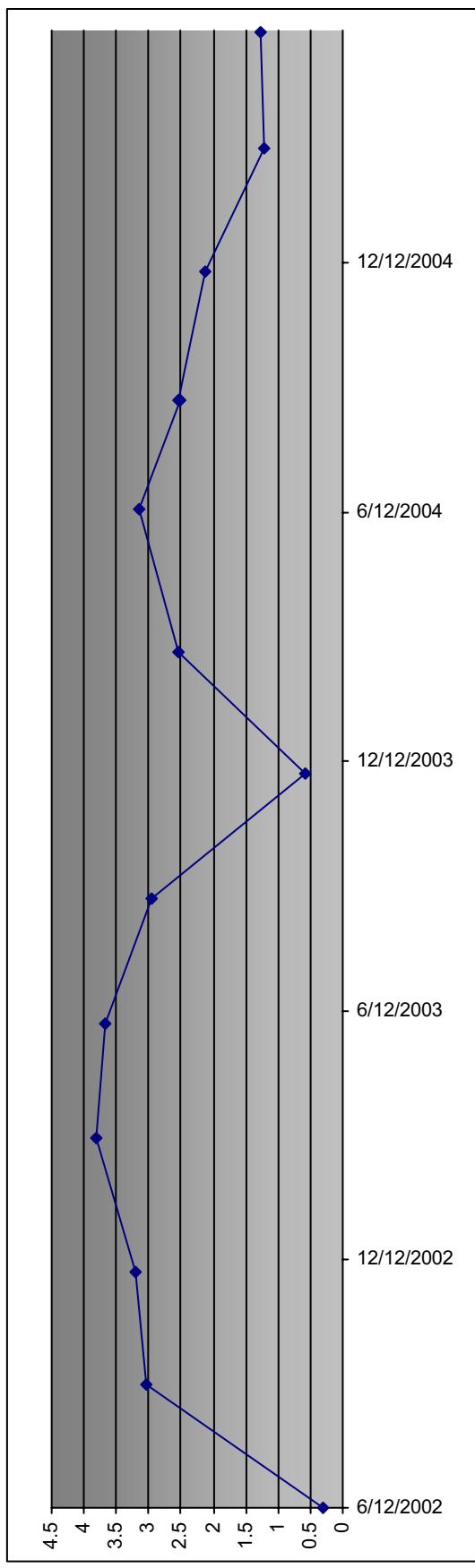


Figure F-167. Carbon Tetrachloride concentrations (ppmv) for Well Port M16S-3

Table F-168. Monitoring data for Well M16S-4 from January through June, 2005.

Well Port M16S-4	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 271201 ft	Northing 670185 ft	Purge Time 6 sec	Depth 101 ft
3/7/2005	7:58 AM	3/8/2005	12:57 PM	2.13E+00	7.84E-01	3.61E-01
5/31/2005	2:16 PM	6/1/2005	12:17 PM	1.85E+00	6.63E-01	3.12E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005	7:58 AM	3/8/2005 12:57 PM	2.13E+00	7.84E-01	3.61E-01	7.01E-01	1.18E+00
5/31/2005	2:16 PM	6/1/2005 12:17 PM	1.85E+00	6.63E-01	3.12E-01	7.66E-01	1.39E+00

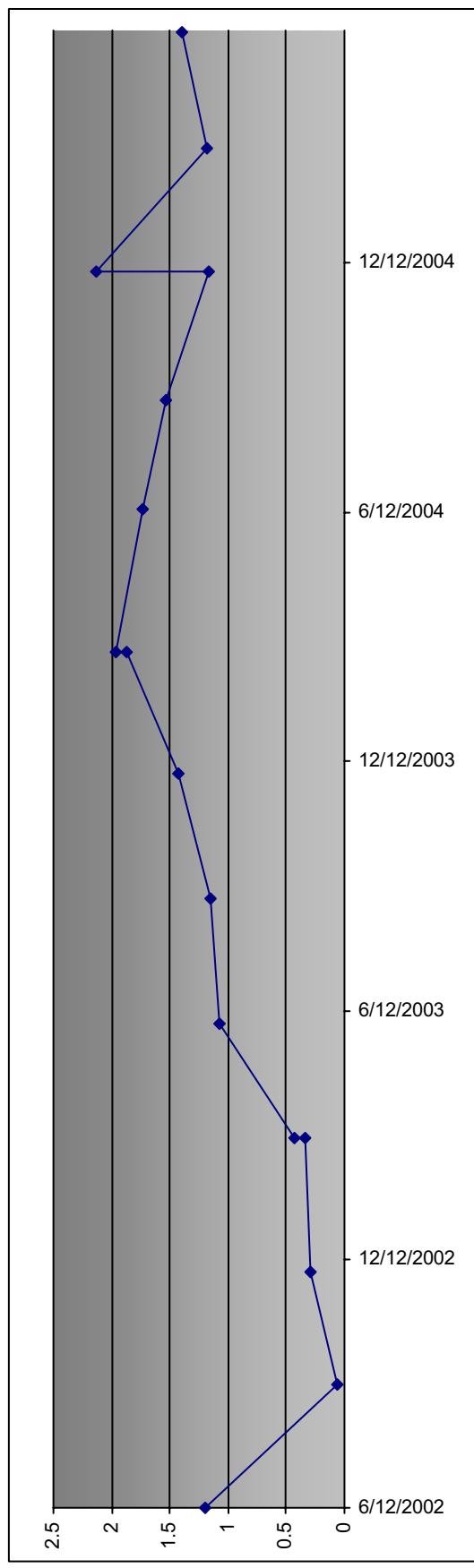


Figure F-168. Carbon Tetrachloride concentrations (ppmv) for Well Port M16S-4

Table F-169. Monitoring data for Well OCVZ11-1 from January through June, 2005.

Well Port OCVZ11-1	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 274276 ft	Northing 675118 ft	Purge Time 5 sec	Depth 92 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005 3:50 PM	3/8/2005 12:00 PM	2.07E+00	7.46E-01	5.23E-01	7.28E-01	4.32E-01	1.00E+04
5/31/2005 1:46 PM	6/1/2005 11:53 AM	1.64E+00	4.45E-01	3.57E-01	4.88E-01	5.29E-01	1.41E+04

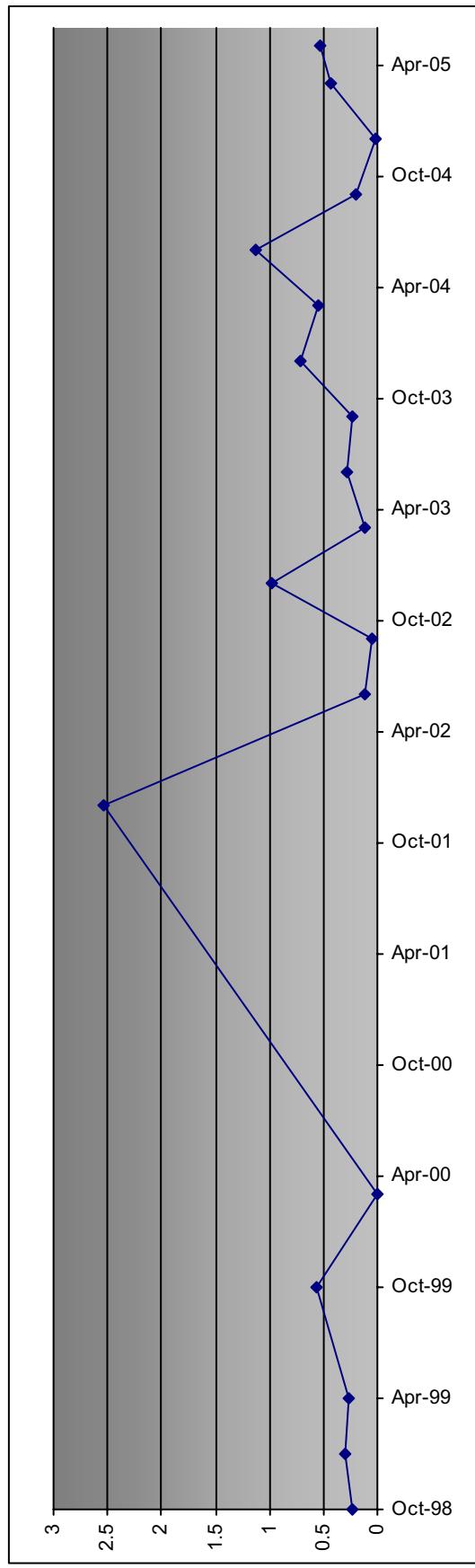


Figure F-169. Carbon Tetrachloride concentrations (ppmv) for Well Port OCVZ11-1

Table F-170. Monitoring data for Well OCVZ13-1 from January through June, 2005.

Well Port OCVZ13-1	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 276931 ft	Northing 672917 ft	Purge Time 15 sec	Depth 251 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005 3:14 PM	3/8/2005 12:06 PM	1.83E+00	8.16E-01	3.85E-01	6.94E-01	4.72E-01	9.99E+03
5/31/2005 1:58 PM	6/1/2005 11:29 AM	1.53E+00	4.87E-01	3.90E-01	4.99E-01	5.13E-01	1.47E+04

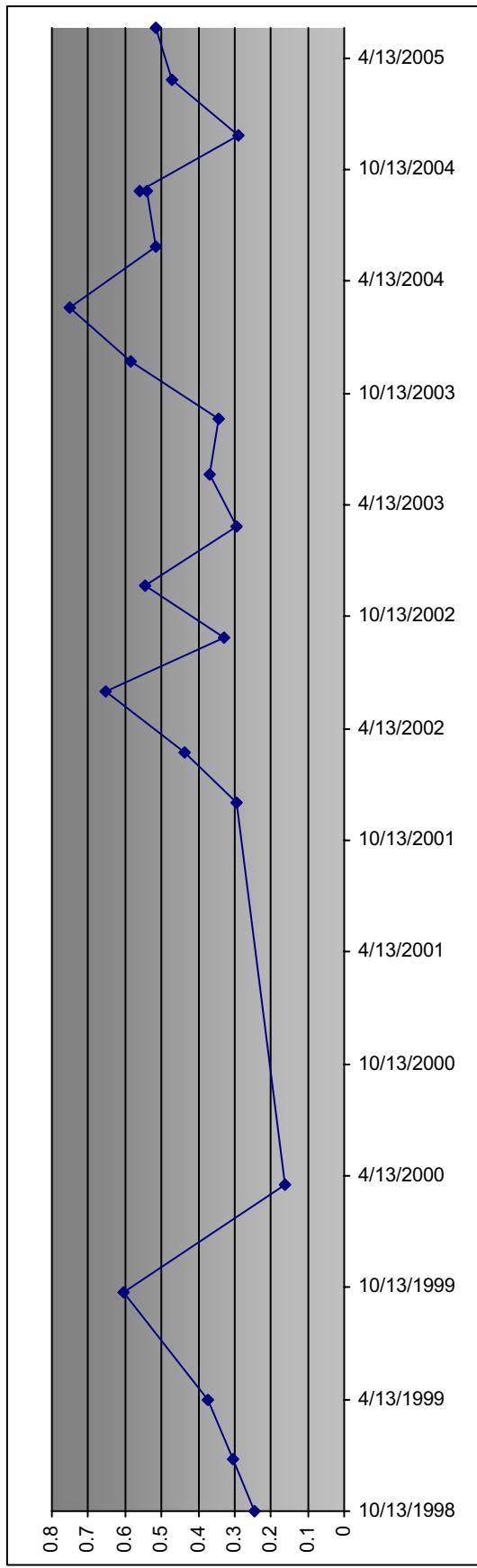


Figure F-170 Carbon Tetrachloride concentrations (ppmv) for Well Port OCVZ13-1

Table F-171. Monitoring data for Well OCVZ13-2 from January through June, 2005.

Well Port OCVZ13-2	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 276931 ft	Northing 672917 ft	Purge Time 13 sec	Depth 221 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005 3:16 PM	3/8/2005 12:09 PM	1.91E+00	7.91E-01	4.82E-01	6.73E-01	3.99E-01	9.99E+03
5/31/2005 1:59 PM	6/1/2005 11:32 AM	1.46E+00	4.17E-01	3.84E-01	5.94E-01	4.46E-01	1.46E+04

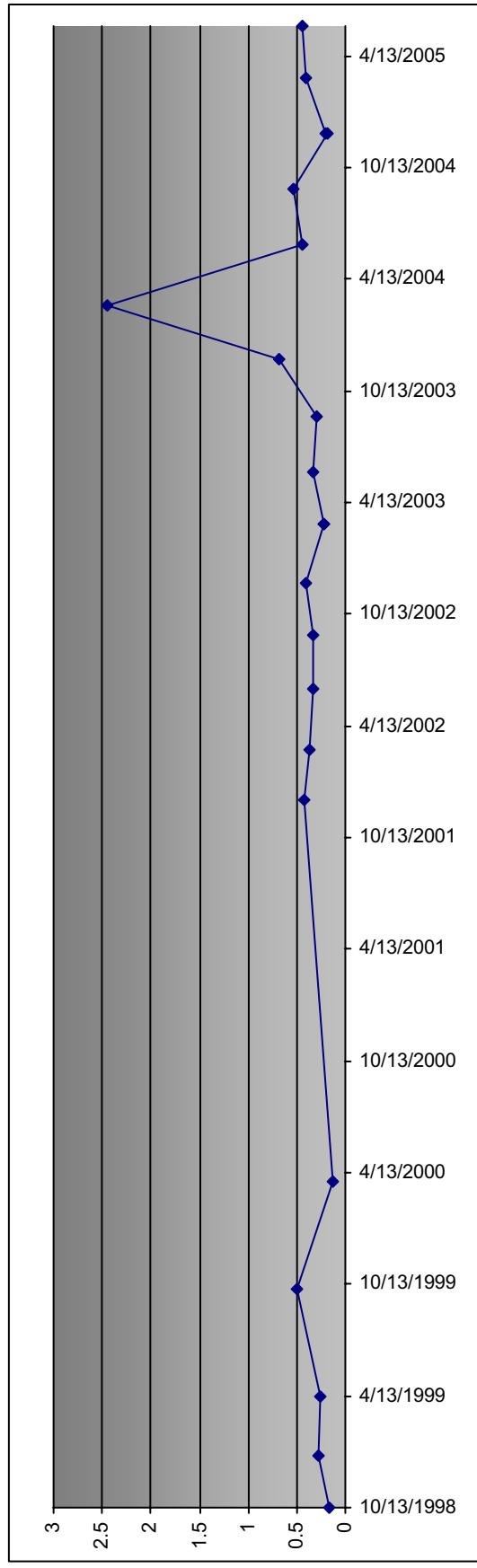


Figure F-171. Carbon Tetrachloride concentrations (ppmv) for Well Port OCVZ13-2

Table F-172 Monitoring data for Well OCVZ13-3 from January through June, 2005.

Well Port OCVZ13-3	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 276931 ft	Northing 672917 ft	Purge Time 5 sec	Depth 91 ft
3/7/2005	3:18 PM	3/8/2005	12:12 PM	1.87E+00	8.10E-01	4.62E-01
5/31/2005	2:00 PM	6/1/2005	11:38 AM	1.53E+00	3.89E-01	3.85E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005	3:18 PM	3/8/2005	12:12 PM	1.87E+00	8.10E-01	4.62E-01	9.98E+03
5/31/2005	2:00 PM	6/1/2005	11:38 AM	1.53E+00	3.89E-01	3.85E-01	1.44E+04

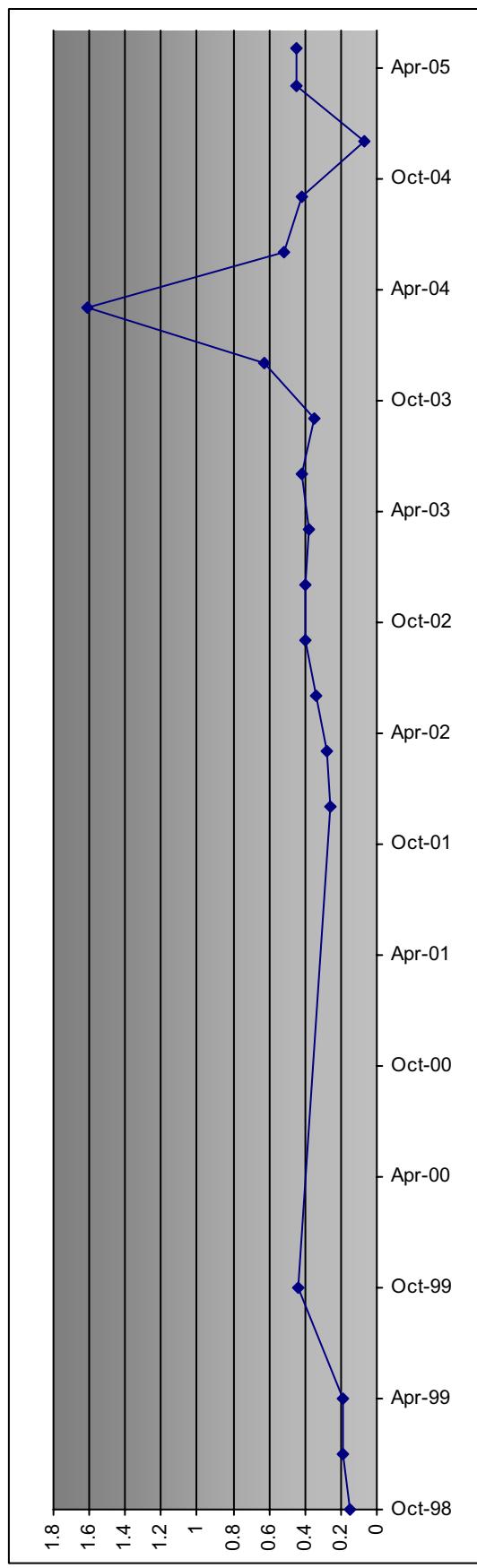


Figure F-172. Carbon Tetrachloride concentrations (ppmv) for Well Port OCVZ13-3

Table F-173. Monitoring data for Well OCVZ14-1 from January through June, 2005.

Well Port OCVZ14-1	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 266466 ft	Northing 674608 ft	Purge Time 15 sec	Depth 260 ft
3/7/2005	2:10 PM	3/8/2005	12:18 PM	2.00E+00	7.78E-01	4.09E-01
6/1/2005	8:44 AM	6/1/2005	1:20 PM	1.48E+00	3.19E-01	2.80E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005	2:10 PM	3/8/2005	12:18 PM	2.00E+00	7.78E-01	4.09E-01	8.49E-01
6/1/2005	8:44 AM	6/1/2005	1:20 PM	1.48E+00	3.19E-01	2.80E-01	4.57E-01

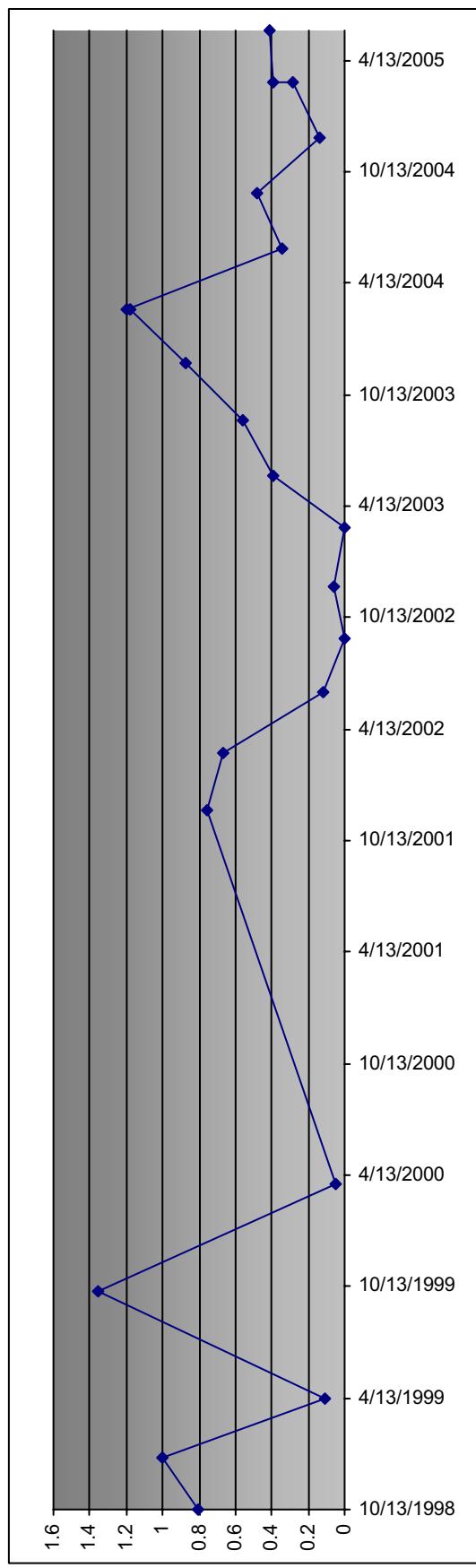


Figure F-173. Carbon Tetrachloride concentrations (ppmv) for Well Port OCVZ14-1

Table F-174. Monitoring data for Well OCVZ14-2 from January through June, 2005.

Well Port OCVZ14-2	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 266466 ft	Northing 674608 ft	Purge Time 13 sec	Depth 230 ft
3/7/2005	2:18 PM	3/8/2005	12:24 PM	2.35E+00	5.80E-01	1.01E+04
6/1/2005	8:45 AM	6/1/2005	1:23 PM	5.76E+00	2.86E-01	1.38E+04

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005	2:18 PM	3/8/2005	12:24 PM	2.35E+00	5.80E-01	1.50E+00	1.01E+04
6/1/2005	8:45 AM	6/1/2005	1:23 PM	5.76E+00	2.86E-01	1.21E+00	1.38E+04

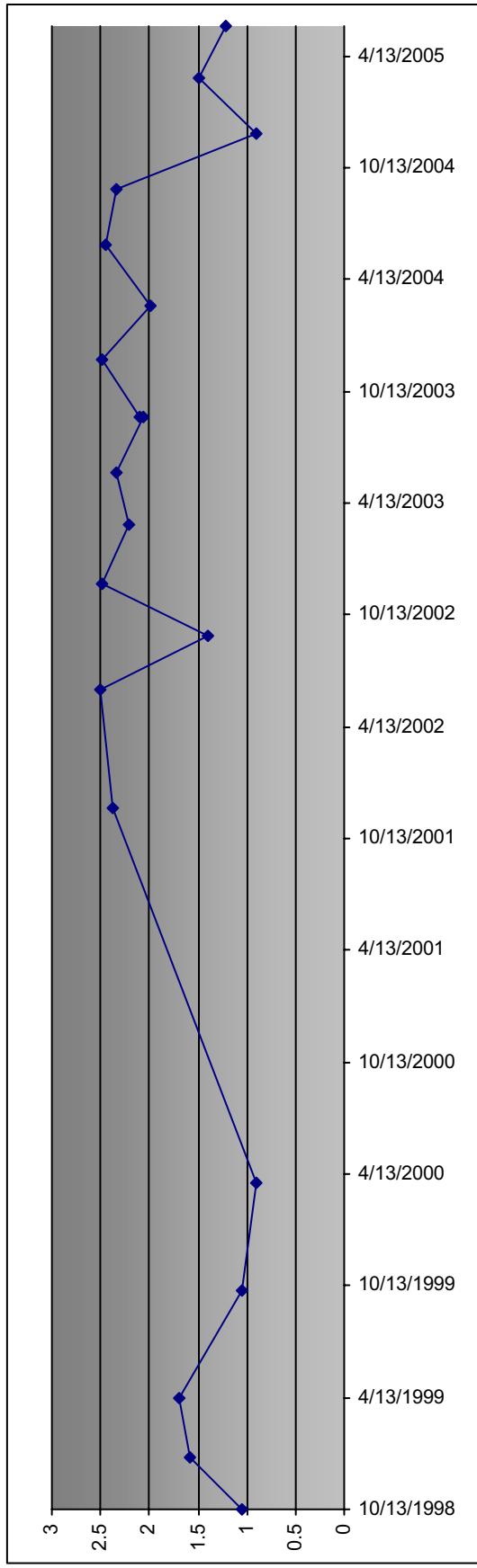


Figure F-174. Carbon Tetrachloride concentrations (ppmv) for Well Port OCVZ14-2

Table F-175. Monitoring data for Well OCVZ14-3 from January through June, 2005.

Well Port OCVZ14-3	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 266466 ft	Northing 674608 ft	Purge Time 3 sec	Depth 60 ft
3/7/2005	2:18 PM	3/8/2005	12:27 PM	2.09E+00	9.73E-01	3.87E-01
6/1/2005	8:46 AM	6/1/2005	1:26 PM	1.51E+00	5.38E-01	3.27E-01

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
3/7/2005	2:18 PM	3/8/2005	12:27 PM	2.09E+00	9.73E-01	3.87E-01	1.00E+00
6/1/2005	8:46 AM	6/1/2005	1:26 PM	1.51E+00	5.38E-01	3.27E-01	9.43E-01

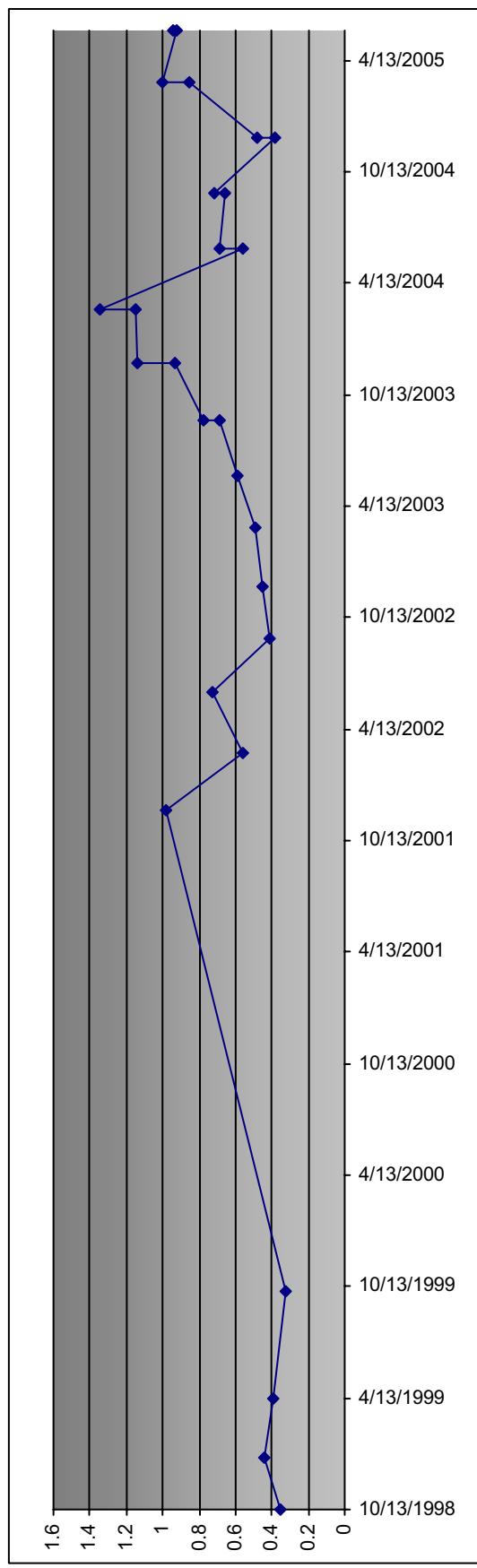


Figure F-175. Carbon Tetrachloride concentrations (ppmv) for Well Port OCVZ14-3

Table F-176. Monitoring data for Well 1898-1 from January through June, 2005.

Well Port 1898-1	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 268043 ft	Northing 668073 ft	Purge Time 11 sec	Depth 283 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/12/2005 10:44 AM	1/12/2005 1:05 PM	4.79E+00	2.15E+00	1.60E+00	1.53E+00	2.29E+00	1.42E+03
5/10/2005 10:57 AM	5/11/2005 9:25 AM	6.27E+00	5.41E+00	1.34E+01	9.48E+00	1.12E+01	1.42E+04
5/31/2005 2:54 PM	6/1/2005 12:00 AM	1.89E+00	7.57E-01	9.19E-01	9.55E-01	2.26E+00	1.49E+04

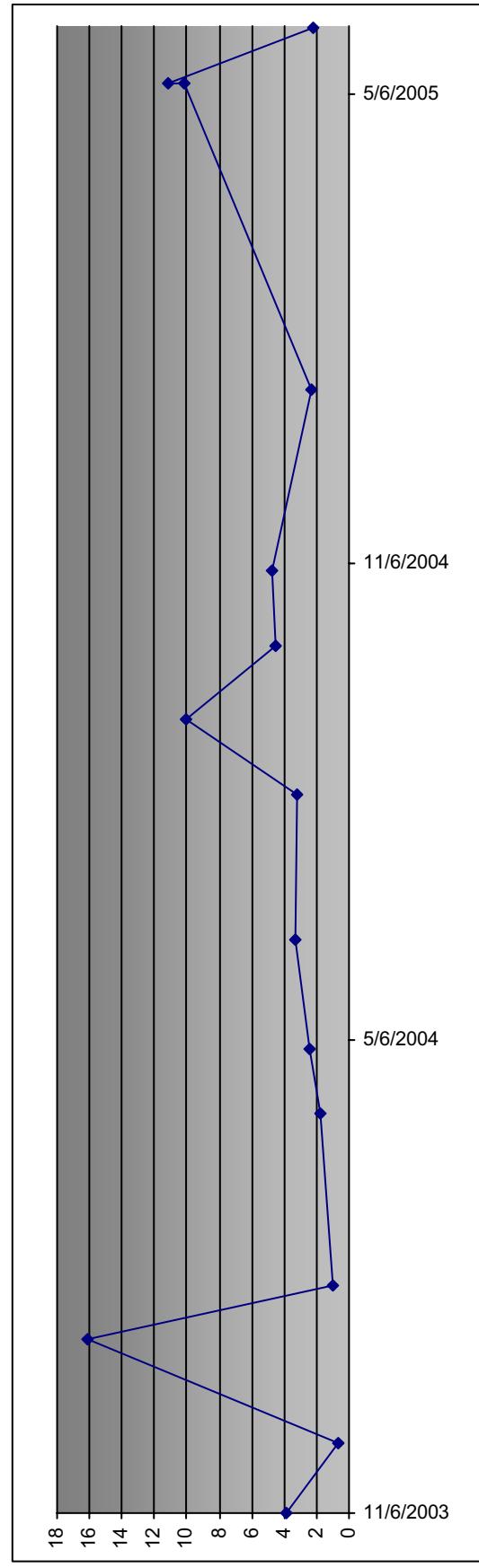


Figure F-176. Carbon Tetrachloride concentrations (ppmv) for Well Port 1898-1

Table F-177. Monitoring data for Well 1898-2 from January through June, 2005.

Well Port	Inside Fence	Frequency	Easting	Northing	Purge Time	Depth
1898-2	□	Q	268043 ft	668073 ft	8 sec	216 ft

Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/12/2005 10:45 AM	1/12/2005 1:08 PM	4.51E+00	2.05E+00	1.35E+00	1.48E+00	2.49E+00	1.01E+03
2/8/2005 1:56 PM	2/10/2005 12:11 PM	3.27E+00	1.91E+00	3.37E+00	2.44E+00	5.54E+00	4.60E+03
3/7/2005 8:53 AM	3/8/2005 1:00 PM	2.67E+00	8.06E-01	4.58E-01	8.67E-01	1.94E+00	1.02E+04
4/5/2005 12:04 PM	4/7/2005 2:30 PM	3.11E+00	1.33E+00	1.95E+00	1.70E+00	4.02E+00	8.73E+03
5/10/2005 10:59 AM	5/11/2005 9:31 AM	5.38E+00	4.22E+00	1.05E+01	7.30E+00	9.18E+00	1.42E+04
5/31/2005 2:55 PM	6/1/2005 12:00 AM	2.25E+00	7.76E-01	8.91E-01	1.10E+00	2.97E+00	1.50E+04

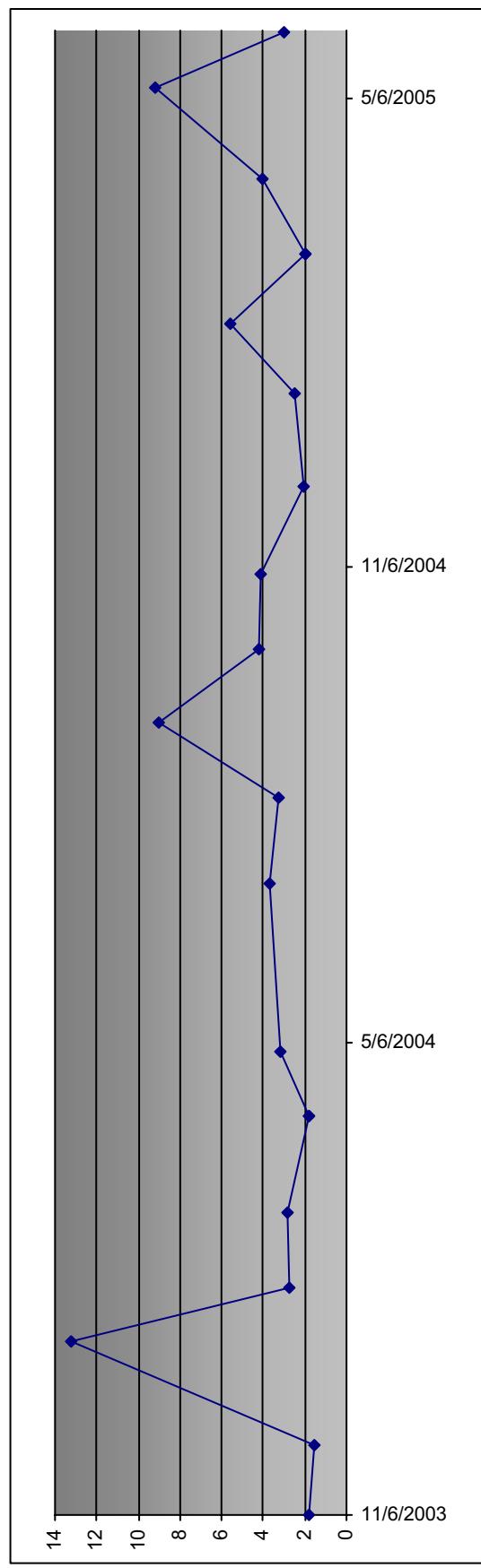


Figure F-177. Carbon Tetrachloride concentrations (ppmv) for Well Port 1898-2

Table F-178. Monitoring data for Well 1898-3 from January through June, 2005.

Well Port 1898-3	Inside Fence <input type="checkbox"/>	Frequency Q	Easting 268043 ft	Northing 668073 ft	Purge Time 4 sec	Depth 95 ft
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Sample Date and Time	Analysis Date and Time	CHCL ₃ (ppmv)	TCA (ppmv)	PCE (ppmv)	TCE (ppmv)	CCL ₄ (ppmv)	H ₂ O (ppmv)
1/12/2005 10:46 AM	1/12/2005 1:11 PM	4.06E+00	2.15E+00	1.40E+00	1.43E+00	2.38E+00	9.86E+02
2/8/2005 1:00 PM	2/10/2005 12:14 PM	2.80E+00	1.90E+00	3.20E+00	2.18E+00	4.49E+00	4.75E+03
3/7/2005 8:57 AM	3/8/2005 1:06 PM	2.90E+00	8.33E-01	3.77E-01	8.72E-01	2.10E+00	1.01E+04
4/5/2005 12:05 PM	4/7/2005 2:33 PM	2.87E+00	1.54E+00	1.90E+00	1.70E+00	3.80E+00	8.77E+03
5/10/2005 11:01 AM	5/11/2005 9:34 AM	3.76E+00	2.93E+00	6.74E+00	4.72E+00	6.13E+00	1.43E+04
5/31/2005 2:56 PM	6/1/2005 12:00 AM	1.98E+00	8.72E-01	8.73E-01	1.02E+00	2.54E+00	1.50E+04

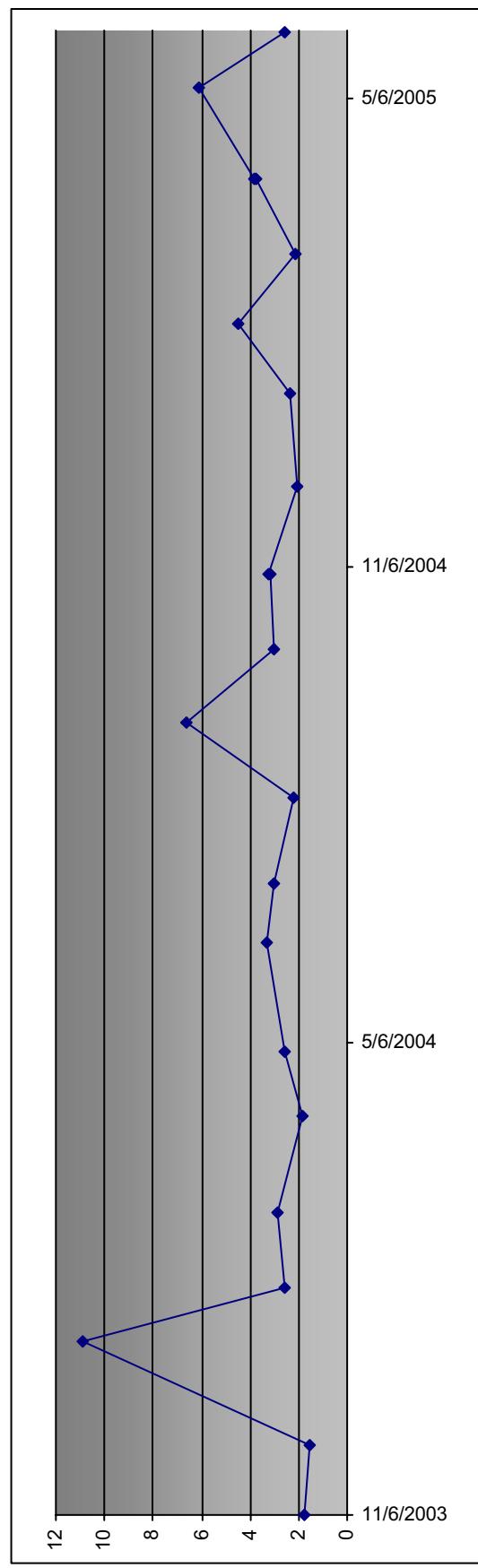


Figure F-178. Carbon Tetrachloride concentrations (ppmv) for Well Port 1898-3